



Panasonic[®]

Operating Instructions
Digital Cordless Answering System

Model No. **KX-TG9385BX**

2LINE



Thank you for purchasing a Panasonic product.

This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

Charge the batteries for about 7 hours before initial use.

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

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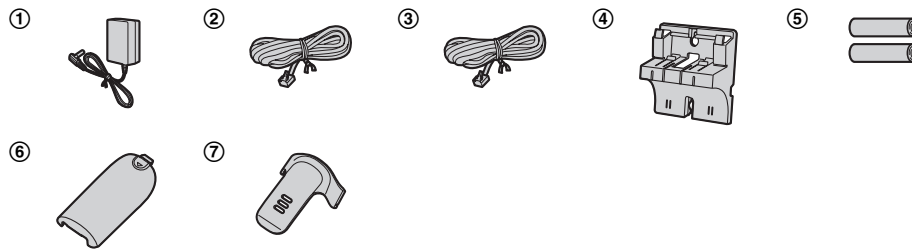
Introduction

Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity
①	AC adaptor/PQLV219BX	1
②	4-wire telephone line cord with green plugs	1
③	2-wire telephone line cord with transparent plugs	1
④	Wall mounting adaptor	1
⑤	Rechargeable batteries/HHR-55AAAB or N4DHYYY00004	2
⑥	Handset cover*1	1
⑦	Belt clip	1

*1 The handset cover comes attached to the handset.



Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Order number
Rechargeable batteries	HHR-4MPT*1
	Battery type: – Nickel metal hydride (Ni-MH) – 2 AAA (R03) size for each handset

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

Expanding your phone system

You can expand your phone system by registering optional handsets (6 max.) to a single base unit.

Handset (optional): KX-TGA939BX



Introduction

System capabilities

The unit can accommodate up to 2 external telephone lines and the following operations are available at a time.

How many units can be in use at one time?

■ A maximum of 4 parties are available:

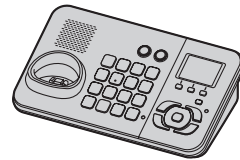
Line 1: Outside call (including 1 extension and 1 outside party)

Line 2: Outside call (including 1 extension and 1 outside party)

Example: Outside call on line 1



Example: Outside call on line 2

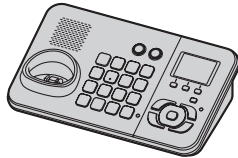


■ A maximum of 5 parties are available:

Line 1: Conference call (including 2 extensions and 1 outside party)

Line 2: Outside call (including 1 extension and 1 outside party)

Example: Conference call on line 1



Example: Outside call on line 2



■ The following operations are possible simultaneously:

- An outside call and 1 pair of intercom calls can be made at a time.
- While a caller is leaving a message on your answering system through one line, the unit can make an outside call through another line.

Note:

- The maximum operating number may decrease, depending on the state of usage, for example, when the answering system is taking a call.

Important Information

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 an authorized service center.
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open.
- Never touch the plug with wet hands. Danger of electric shock exists.

Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in

the frequency range of 1.92 GHz to 1.93 GHz, and the RF transmission power is 115 mW (max.).)

- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

CAUTION

Installation and relocation

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
 - the handset batteries need recharging or have failed.
 - there is a power failure.

Battery

- We recommend using the batteries noted on page 3. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

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:

Important Information

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, wireless routers, or other phones.
 - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C. 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

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.

Information on Disposal in other Countries outside the European Union



These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Specifications

- **Standard:**
DECT (Digital Enhanced Cordless Telecommunications)
- **Frequency range:**
1.92 GHz to 1.93 GHz (DECT)
- **RF transmission power:**
115 mW (max.)
- **Power source:**
100–240 V AC, 50/60 Hz
- **Power consumption:**
Standby: Approx. 1.4 W
Maximum: Approx. 4.2 W
- **Operating conditions:**
0 °C – 40 °C, 20 % – 80 % relative air humidity (dry)

Note:

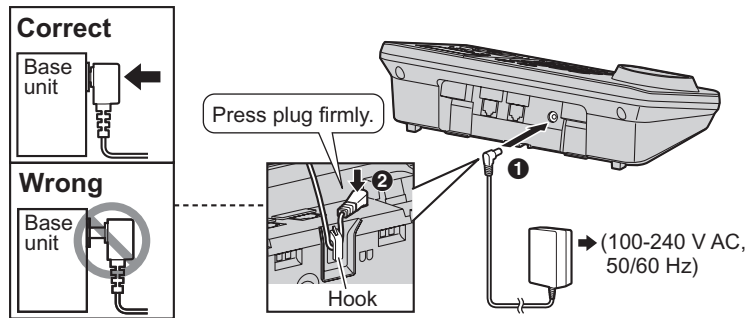
- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

Connections

Connecting the AC adaptor

Connect the AC adaptor cord (1) by pushing the plug firmly (2).

- Use only the supplied Panasonic AC adaptor PQLV219BX.



Note:

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

During a power failure

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a T-adaptor.

Getting started

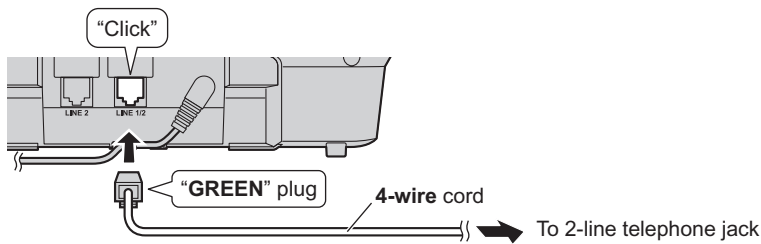
Connecting the telephone line cord

Refer to one of the following methods depending on your situation:

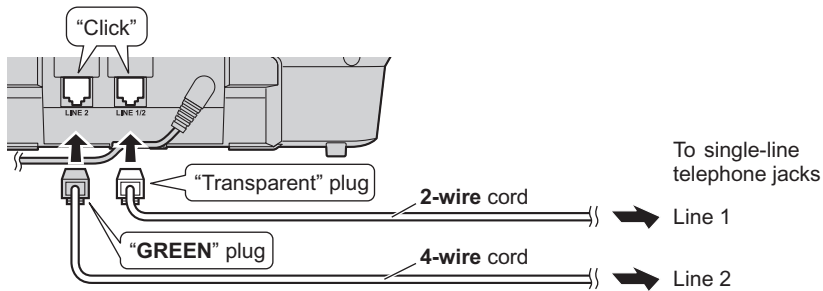
- To connect to a 2-line telephone jack: page 8
- To connect to 2 single-line telephone jacks: page 8
- If you use the unit as a single-line telephone only: page 8

Connect the telephone line cord until it clicks into the base unit and telephone line jack.

To connect to a 2-line telephone jack

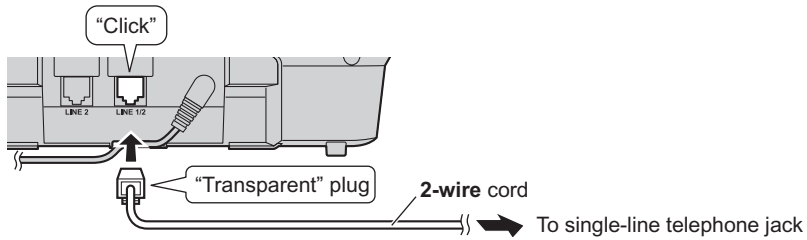


To connect to 2 single-line telephone jacks



If you use the unit as a single-line telephone only

Be sure to connect the telephone line cord to LINE 1/2. Change the line selection mode from "Auto" to "Line1" (page 14).



Note:

- "Check tel line 2" is displayed on the unit. To erase it, see page 49.

Getting started

If you subscribe to a DSL/ADSL service

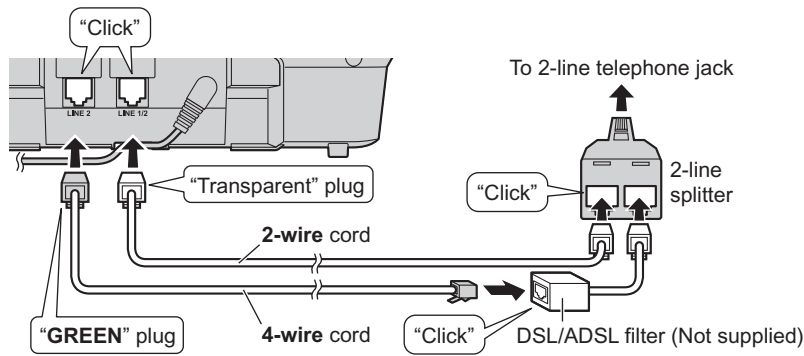
Please attach a DSL/ADSL filter (contact your DSL/ADSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:

- noise is heard during conversations.
- Caller ID features do not function properly.

To connect to a 2-line telephone jack

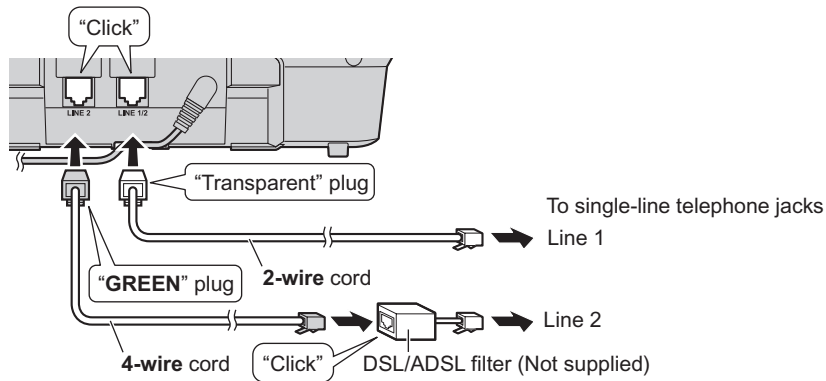
For this connection, please use a 2-line splitter.

Example: DSL/ADSL line is line 2



To connect to 2 single-line telephone jacks

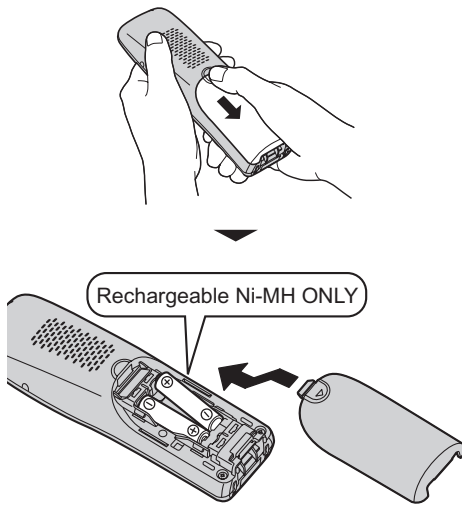
Example: DSL/ADSL line is line 2



Getting started

Battery installation

- USE ONLY Ni-MH batteries AAA (R03) size.
- Do NOT use Alkaline/Manganese/Ni-Cd batteries.
- Confirm correct polarities (+, -).



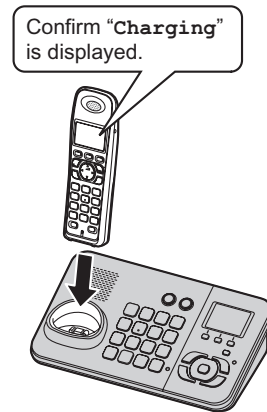
Note:

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 3, 5.
- Wipe the battery ends (+, -) with a dry cloth.
- Avoid touching the battery ends (+, -) or the unit contacts.
- If the handset does not automatically turn on after installing/replacing batteries, place the handset on the base unit or charger.

Battery charge

Charge for about 7 hours.

- When the batteries are fully charged, "Charge completed" is displayed.



Note:

- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Clean more often if the unit is exposed to grease, dust, or high humidity.

Battery level

Icon	Battery level
	High
	Medium
	Low
	Needs charging.

Note:

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

Getting started

Panasonic Ni-MH battery performance (supplied batteries)

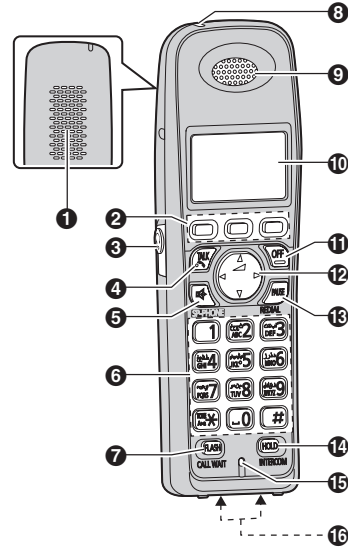
Operation	Operating time
In continuous use	12 hours max.
Not in use (standby)	6 days max.

Note:

- Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use (standby).
- Even after the handset is fully charged, the handset can be left on the base unit or charger without any ill effect on the batteries.
- The battery level may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit or charger and let it charge for at least 7 hours.

Controls

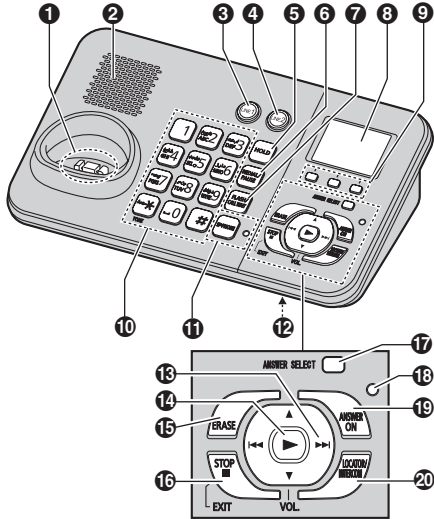
Handset



- 1 Speaker
- 2 Soft keys
- 3 Headset jack
- 4 [TALK]
- 5 [SP-PHONE: Speakerphone]
- 6 Dial keypad
([*]: TONE)
- 7 [FLASH] [CALL WAIT]
- 8 Charge indicator
Ringer indicator
- 9 Receiver
- 10 Display
- 11 [OFF]
- 12 Navigator key ([↑]/[↓]/[←]/[→])
▲ (Volume: [↑]/[↓])
- 13 [PAUSE] [REDIAL]
- 14 [HOLD] [INTERCOM]
- 15 Microphone
- 16 Charge contacts

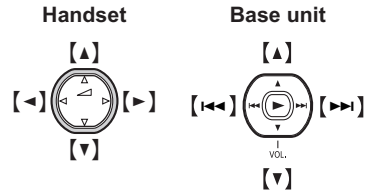
Getting started

Base unit



- 1 Charge contacts
- 2 Speaker
- 3 [LINE 1]
LINE1 indicator
- 4 [LINE 2]
LINE2 indicator
- 5 [HOLD]
- 6 [REDIAL] [PAUSE]
- 7 [FLASH] [CALL WAIT]
- 8 Display
- 9 Soft keys
- 10 Dial keypad
[*]: TONE
- 11 [SP-PHONE] (Speakerphone)
SP-PHONE indicator
- 12 MIC (Microphone)
- 13 Navigator key ([▲]/[▼]/[◀]/[▶])
VOL. (Volume: [▲]/[▼])
Repeat/Skip ([◀◀]/[▶▶])
- 14 [▶] (Play)
Message indicator
- 15 [ERASE]
- 16 [■] (STOP) (EXIT)
- 17 [ANSWER SELECT]
- 18 ANSWER ON indicator
- 19 [ANSWER ON]
- 20 [LOCATOR] [INTERCOM]

Using the navigator key/volume key (▲, VOL.)



■ Scrolling through lists or items

By pressing this key ([▲] or [▼]) repeatedly, you can scroll through (up or down) various lists or items.

■ Adjusting the volume

By pressing this key ([▲] or [▼]) repeatedly, you can adjust the receiver or speaker volume (up or down) while talking.

■ Moving the cursor

Handset: [▲], [▼], [◀], or [▶]

Base unit: [▲], [▼], [◀◀], or [▶▶]

By pressing the above keys repeatedly, you can move the cursor to edit a number or name.

■ Repeating/skipping the messages

Handset: [◀] or [▶]

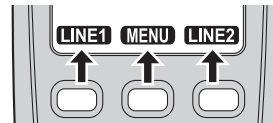
Base unit: [◀◀] or [▶▶]

By pressing the above keys, you can repeat/skip messages during playback.

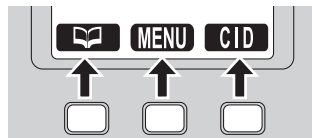
Soft keys

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

Handset



Base unit



Getting started

Display

Handset display items

Item	Meaning
	Battery level
	Within range of a base unit <ul style="list-style-type: none"> • When flashing: Handset is searching for the base unit. (page 51)
	The line is in use. <ul style="list-style-type: none"> • When flashing: <ul style="list-style-type: none"> – The call is put on hold on that line. – The answering system is answering a call on that line. • When flashing rapidly: An incoming call is now being received on that line.
	Ringer volume is off. *1 (page 17)
	Speakerphone is on. (page 16)
	Night mode is on. (page 30)
	Alarm is on. (page 30)
	Handset number
	Call privacy mode is on. (page 19)

*1 Corresponding line number(s) is indicated next to the item.

Base unit display items

Item	Meaning
	Indicates the selected line(s) for answering system operations and settings. *1
	Ringer volume is off. *1 (page 17)
	Night mode is on. (page 30)
	Call privacy mode is on. (page 19)

*1 Corresponding line number(s) is indicated next to the item.

Menu icons

When in standby mode, pressing **[MENU]** (middle soft key) reveals the main menu. From here you can access various features and settings.

Handset menu icons

Menu icon	Menu/feature
	View Caller ID
	Phonebook
	Answering device
	Ringer settings
	Initial settings
	Set date & time

Base unit menu icons

Menu icon	Menu/feature
	View Caller ID
	Phonebook
	Set answering
	Ringer settings
	Initial settings
	Set date & time

LINE1 indicator/LINE2 indicator on the base unit



The LINE1 indicator and LINE2 indicator show the status of each line, respectively, as follows.

Status	Meaning
Light off	The line is available.
Light on	The line is in use.
Flashing rapidly	An incoming call is now being received on that line.
Flashing	A call is put on hold or the answering system is answering a call on that line.

Getting started

Initial settings

Symbol meaning:

Symbol	Meaning
	Perform with the handset.
	Perform with the base unit.
Example: [▼]/[▲]: "OFF"	Press [▼] or [▲] to select the words in quotations.

Display language

3 display languages are available. You can select "English", "العربية", or "فارسی". The default setting is "English".

 Handset /  Base unit

- 1 [MENU] → [⊕][1][1][0]
- 2 [▼]/[▲]: Select the desired setting.
- 3 Press the middle soft key to save.
- 4 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

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.

Program this setting using either one of the handsets or the base unit.

 Handset /  Base unit

- 1 [MENU] → [⊕][1][2][0]
- 2 [▼]/[▲]: Select the desired setting.
- 3 [SAVE]
- 4 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Date and time

Program this setting using either one of the handsets or the base unit.

 Handset /  Base unit

- 1 [MENU] → [⊕][1][0][1]

- 2 Enter the current date, month, and year by selecting 2 digits for each.

Example: 15 July, 2010

[1][5] [0][7] [1][0]

- 3 Enter the current hour and minute by selecting 2 digits for each.

Example: 15:30

[1][5] [3][0]

- 4 [SAVE]

- 5 Proceed with the operation for your unit.

Handset: [OFF]

Base unit: [■] (EXIT)

Note:

- When you select Arabic or Persian as the display language, enter the current year, month, and date.
- To correct a digit:
Handset: Press [▲], [▼], [←], or [→] to move the cursor to the digit, then make the correction.
Base unit: Press [▲], [▼], [←], or [→] to move the cursor to the digit, then make the correction.
- The date and time may be incorrect after a power failure. In this case, set the date and time again.

Line selection mode

The line selection mode determines which line is selected when:

- you press [↶]/[↷] on the handset (when making/answering calls).
- you press [SP-PHONE] on the base unit (when making/answering calls).

The following settings are available:

- "Auto" (default): When making a call, line 1 is selected. If that line is unavailable, line 2 is selected. When you call back using the caller list (page 32) or while listening to a message (page 36, 37), the indicated line is used. When answering a call, the ringing line is selected.
- "Line1": Line 1 is selected.
- "Line2": Line 2 is selected.

 Handset /  Base unit

- 1 [MENU] → [⊕][2][5][0]
- 2 [▼]/[▲]: Select the desired setting.
- 3 [SAVE]
- 4 Proceed with the operation for your unit.



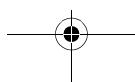
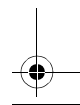
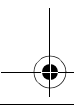
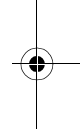
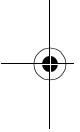
Getting started



Handset: [OFF]
Base unit: [■] (EXIT)

Note:


- You can select a line manually regardless of the line selection mode by pressing [LINE 1] or [LINE 2].



Making/Answering Calls

Making calls


Using the handset

- 1 Lift the handset and dial the phone number.
 - To correct a digit, press **[CLEAR]**.
- 2 
 - An available line is automatically selected and the line number is displayed. To change the line selection mode, see page 14.
 - You can also select the line manually by pressing **[LINE 1]** or **[LINE 2]**.
- 3 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.


Note:

- The LINE1 indicator or LINE2 indicator on the base unit lights up while using the handset.

Using the speakerphone

- 1 During a conversation, press  to turn on the speakerphone.
 - Speak alternately with the other party.
- 2 When you finish talking, press **[OFF]**.

Note:

- For best performance, use the speakerphone in a quiet environment.
- To switch to the receiver, press .

Using the base unit

- 1 Dial the phone number.
 - To correct a digit, press **[CLEAR]**.
- 2 **[SP-PHONE]**
 - An available line is automatically selected and either the LINE1 indicator or LINE2 indicator lights up. To change the line selection mode, see page 14.
 - You can also select the line manually by pressing **[LINE 1]** or **[LINE 2]**.
- 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:

- For best performance, use the speakerphone in a quiet environment.

- While on a call, you can switch from the base unit to the handset:
 - Press **[LINE 1]** or **[LINE 2]** on the handset to select the line that is being used by the base unit, then press **[SP-PHONE]** on the base unit.
 - If the handset is on the base unit, lift the handset then press **[LINE 1]** or **[LINE 2]** on the handset within 3 seconds to select the line that is being used by the base unit.

Adjusting the receiver or speaker volume


Handset / Base unit

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

Making a call using the redial list

The last 10 phone numbers dialed are stored in the redial list in each unit (each 48 digits max.).

Handset / Base unit

- 1 **[REDIAL]**
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 Proceed with the operation for your unit.
Handset: 
Base unit: **[SP-PHONE]**

Erasing a number in the redial list

- 1 **[REDIAL]**
- 2 **[▼]/[▲]**: Select the desired phone number.
→ **[ERASE]** (soft key)
- 3 **[▼]/[▲]**: "Yes" → **[SELECT]**
- 4 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

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 22).

Handset / Base unit

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

Making/Answering Calls



- 1 **[9] → [PAUSE]**
- 2 Dial the phone number.
- 3 Proceed with the operation for your unit.
Handset: [↶]
Base unit: [SP-PHONE]

Note:

- A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Repeat as needed to create longer pauses.

Answering calls

Using the handset

When a call is being received, the ringer indicator and  and/or  flash rapidly.

- 1 Lift the handset and press **[↶]** or **[☎]** when the unit rings.
 - The called line is automatically selected. To change the line selection mode, see page 14.
 - You can also answer the call by pressing **[LINE 1]** or **[LINE 2]**.
 - You can also answer the call by pressing any dial key from **[0]** to **[9]**, **[*]**, or **[#]**.
(Any key answer feature)
- 2 When you finish talking, press **[OFF]** or place the handset on the base unit or charger.

Auto talk

You can answer calls simply by lifting the handset off the base unit or charger. You do not need to press **[↶]**. To turn this feature on, see page 27.

Adjusting the handset ringer volume

- **While the handset is ringing for an incoming call:**
 Press **[▲]** or **[▼]** repeatedly to select the desired volume.
- **Programming the volume beforehand:**
 - 1 **[MENU] → [#][1][6][0]**
 - 2 **[▼]/[▲]:** Select the desired line. → **[SELECT]**
 - 3 **[▼]/[▲]:** Select the desired volume.
 - 4 **[SAVE] → [OFF]**

Temporary handset ringer off

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

Using the base unit

When a call is being received, the LINE1 indicator and/or LINE2 indicator on the base unit flashes rapidly.

- 1 Press **[SP-PHONE]** when the unit rings.
 - The called line is automatically selected. To change the line selection mode, see page 14.
 - You can also answer the call by pressing **[LINE 1]** or **[LINE 2]**.
- 2 Speak into the MIC.
- 3 When you finish talking, press **[SP-PHONE]**.

Adjusting the base unit ringer volume

- **While the base unit is ringing for an incoming call:**
 Press **[▲]** or **[▼]** repeatedly to select the desired volume.
- **Programming the volume beforehand:**
 - 1 **[MENU] → [#][1][6][0]**
 - 2 **[▼]/[▲]:** Select the desired line. → **[SELECT]**
 - 3 **[▼]/[▲]:** Select the desired volume.
 - 4 **[SAVE] → [■] (EXIT)**

Temporary base unit ringer off

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

Making/Answering Calls

Useful features during a call

Hold

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

Handset

- 1 Press **[HOLD]** 2 times during an outside call.
- 2 To release hold, press **[LINE 1]** or **[LINE 2]** that is flashing on the handset.

Base unit

- 1 Press **[HOLD]** during an outside call.
- 2 To release hold, press **[LINE 1]** or **[LINE 2]** that is flashing on the base unit.

Note for handset and base unit:

- If a call is kept on hold for more than 9 minutes, an alarm tone starts to sound. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line, you can also take the call by lifting its handset.

Mute

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

Handset / Base unit

- 1 Press **[MUTE]** during an outside call.
 - **[MUTE]** flashes.
- 2 To return to the conversation, press **[MUTE]** again.

Note:

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

Flash

Handset / Base unit

[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 28.

For call waiting or Call Waiting Caller ID service users

To use call waiting, you must first subscribe to call waiting from your service provider/telephone company.

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 handset or base unit that is in use after you hear the call waiting tone.

Handset / Base unit

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

Note:

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

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.).

Handset / Base unit

Press **[*]** (TONE) before entering access numbers which require tone dialing.

Call share

This feature allows you to join an existing outside call.

Important:

- To prevent other users from joining your conversations with outside callers, turn call privacy on (page 19).

Handset / Base unit

To join the conversation, press **[LINE 1]** or **[LINE 2]** to select the line that is being used by another extension for an outside call.

Making/Answering Calls


Note:

- A maximum of 3 parties (including 1 outside party) can join a conversation.

Call privacy

Call privacy allows you to prevent other users from joining your conversations with outside callers. You can turn the feature on for both lines by programming the base unit before the call. To allow other users to join your conversations, leave this feature off. The default setting is "Off".


Base unit

- 1 **[MENU]** → **[#][1][9][4]**
- 2 **[v]/[▲]**: "On" or "Off" → **[SAVE]**
- 3 **[■]** (EXIT)
 - When this feature is turned on,  is displayed during an outside call.

Temporarily turning call privacy on/off

During an outside call, you can temporarily turn call privacy on/off.

Handset / Base unit

- 1 Press **[MENU]** during an outside call.
- 2 **[v]/[▲]**: "Privacy" → **[SELECT]**
- 3 **[v]/[▲]**: "On" or "Off" → **[SELECT]**
 - When this feature is turned on,  is displayed.

Note:

- After you hang up the call, the feature will return to the setting programmed on page 19.

Using the other line during a call

You can use the other line in the following ways:

- When a call is being received on the other line during a conversation, an interrupt tone will be heard (page 27). You can answer the 2nd call while holding the 1st call.
- During an outside call, you can also make a call using the other line by holding the 1st call.

Handset

Example: If you are using line 1:

- 1 Press **[HOLD]** 2 times to put the 1st call (line 1) on hold.
- 2 Press **[LINE 2]** to make or answer a 2nd call.
 - To hold the 2nd call, press **[HOLD]** 2 times.
- 3 To return to the 1st call (line 1), press **[LINE 1]**.

Base unit

Example: If you are using line 1:

- 1 Press **[HOLD]** to put the 1st call (line 1) on hold.
- 2 Press **[LINE 2]** to make or answer a 2nd call.
 - To hold the 2nd call, press **[HOLD]**.
- 3 To return to the 1st call (line 1), press **[LINE 1]**.

Note for handset and base unit:

- If you subscribe to Caller ID, the 2nd caller's information is displayed when a call is being received on the other line (page 32).

Phonebook

Handset/base unit phonebook

The phonebook allows you to make calls without having to dial manually. You can add names and phone numbers to the handset and base unit phonebook independently, and assign each phonebook entry to the desired group.

- Handset: up to 100 entries
- Base unit: up to 600 entries

Adding entries

Handset / Base unit

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [Ⓜ][2][8][0]
Base unit: [📞]
- 2 [ADD]
- 3 Enter the party's name (16 characters max.).
→ [OK]
 - You can change the character entry mode by pressing [1/A/?] (page 45).
- 4 Enter the party's phone number (24 digits max.). → [OK]
- 5 [▼]/[▲]: Select the desired group. → [SELECT] 2 times
 - To add other entries, repeat from step 3.
- 6 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Note:

- Caller ID subscribers can use group ringer tone feature (page 32).

Groups

Groups can help you find entries in the phonebook quickly and easily. When adding an entry to the phonebook, you can assign it to one of 9 groups. You can change the names of groups assigned for phonebook entries ("Friends", "Family", etc.) and then search for phonebook entries by group. The group ringer tone feature is available for Caller ID subscribers (page 32).

Changing group names

The default group name is "Group 1" to "Group 9".

Handset / Base unit

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [Ⓜ][2][8][0]
Base unit: [📞]
- 2 [MENU]
- 3 [▼]/[▲]: "Group" → [SELECT]
- 4 [▼]/[▲]: Select the desired group. → [SELECT]
- 5 [▼]/[▲]: "Group name" → [SELECT]
- 6 Edit the name (10 characters max.; page 45).
→ [SAVE]
- 7 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Finding and calling a phonebook entry

Once you have found the desired entry using one of the following 4 methods, make a call with your unit.

Handset: [📞]

- You can also make a call by pressing [CALL], then pressing [LINE 1] or [LINE 2].

Base unit: [SP-PHONE]

- You can also make a call by pressing [LINE 1] or [LINE 2].

Note:

- Phonebook entries are listed alphabetically in the following order:
 - Arabic/Persian
 - Alphabet
 - Numeric

Scrolling through all entries

Handset / Base unit

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [Ⓜ][2][8][0]
Base unit: [📞]
- 2 [▼]/[▲]: Select the desired entry.

Searching by first character (alphabetically)

Phonebook entries are listed in the following order:

■ When you select English as the display language (page 14):

- Alphabet
- Arabic/Persian

- Numeric

■ **When you select Arabic or Persian as the display language (page 14):**

- Arabic/Persian
- Alphabet
- Numeric

 **Handset** /  **Base unit**

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [#][2][8][0]
Base unit: [↵]
- 2 Press the dial key ([0] - [9]) which contains the character you are searching for (page 45).
 - Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
 - If there is no entry corresponding to the character you selected, the next entry is displayed.
- 3 [▼]/[▲]: Scroll through the phonebook if necessary.



Searching by query

You can narrow down the search by using the base unit to enter the first characters of a name.

 **Base unit**

- 1 [↵] → [*]
 - Change the character entry mode if necessary:
[1/A/?] → [▼]/[▲]: Select a character entry mode. → [OK]
- 2 To search for the name, enter the first characters (up to 4) (page 45). → [OK]
 - When you enter in alphabet, characters cannot be entered in lowercase.
 - If there is no entry corresponding to the characters you selected, the next entry is displayed.
- 3 [▼]/[▲]: Scroll through the phonebook if necessary.

Searching by group

 **Handset** /  **Base unit**

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [#][2][8][0]
Base unit: [↵]


- 2 [GROUP]
- 3 [▼]/[▲]: Select the group you want to search.
→ [SELECT]
 - If you select "All groups", the unit ends the group search.
- 4 [▼]/[▲]: Select the desired entry.

Editing entries

 **Handset** /  **Base unit**

- 1 Find the desired entry (page 20). → [MENU]
- 2 [▼]/[▲]: "Edit" → [SELECT]
- 3 Edit the name if necessary (16 characters max.; page 45). → [OK]
- 4 Edit the phone number if necessary (24 digits max.). → [OK]
- 5 [▼]/[▲]: Select the desired group (page 20).
→ [SELECT] 2 times
- 6 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Erasing entries

 **Handset** /  **Base unit**

Erasing an entry

- 1 Find the desired entry (page 20). → [MENU]
- 2 [▼]/[▲]: "Erase" → [SELECT]
- 3 [▼]/[▲]: "Yes" → [SELECT]
- 4 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Erasing all entries

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [#][2][8][0]
Base unit: [↵]
- 2 [MENU]
- 3 [▼]/[▲]: "Erase all" → [SELECT]
- 4 [▼]/[▲]: "Yes" → [SELECT]
- 5 [▼]/[▲]: "Yes" → [SELECT]
- 6 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Phonebook

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.

Handset / Base unit

- 1 Proceed with the operation for your unit.
During an outside call:
Handset: [MENU] →
[▼]/[▲]: "Phonebook" → [SELECT]
Base unit: [📞]
- 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 16).
- If you have rotary/pulse service, you need to press [*] (TONE) before pressing [MENU] on the handset or [📞] on the base unit in step 1 to change the dialing mode temporarily to tone. When adding entries to the phonebook, we recommend adding [*] (TONE) to the beginning of phone numbers you wish to chain dial (page 20).

Copying phonebook entries

You can copy phonebook entries from the base unit to a handset, and vice versa. The unit can receive entries until the phonebook memory is full (page 20).

Important:

- Groups (including their names and ringer tones) are not copied.
- You cannot make phonebook copy between handsets directly. However it is possible by first copying a handset's phonebook entries to the base unit, then copying the base unit's phonebook entries to another handset.

Copying an entry

Base unit

- 1 [📞]
- 2 [▼]/[▲]: Select the desired entry. → [MENU]
- 3 [▼]/[▲]: "Copy to handset" → [SELECT]
- 4 Enter the handset number you want to copy to.
 - When an entry has been copied, "Completed" is displayed.
 - To continue copying another entry:
[▼]/[▲]: "Yes" → [SELECT] → Find the desired entry (page 20). → [SEND]
- 5 [■] (EXIT)

Handset

- 1 [MENU] → [#][2][8][0]
- 2 [▼]/[▲]: Select the desired entry. → [MENU]
- 3 [▼]/[▲]: "Copy to base" → [SELECT]
 - When an entry has been copied, "Completed" is displayed.
 - To continue copying another entry:
[▼]/[▲]: "Yes" → [SELECT] → Find the desired entry (page 20). → [SEND]
- 4 [OFF]

Copying multi entries

You can copy selected entries (up to 100) from the base unit to a handset.

Base unit

- 1 [📞]
- 2 Find the desired entry (page 20).
- 3 [MENU]
- 4 [▼]/[▲]: "Copy multi items" → [SELECT]
- 5 Press [SELECT] to select an entry in step 2.
 - The selected entries are indicated by "✓".
- 6 [▼]/[▲]: Select the next desired entry. → [SELECT]
 - To continue copying other entries, perform this step repeatedly.
 - To cancel an entry, press [▼]/[▲] to select the entry, then press [SELECT].

- You can also search for another entry by entering the first character (page 20) or query (page 21).

- 7 After selecting entries, press **[SEND]**.
- 8 Enter the handset number you want to copy to.
 - When the entries have been copied, "Completed" is displayed.

- 9 **[■]** (EXIT)

Note:

- When you copy the desired entries in a group:
 - In step 2, find a desired group (page 21).
 - In step 5, select the desired entry. → **[SELECT]**

Copying all entries

A maximum of 100 entries can be copied from the base unit phonebook to the handset. If the base unit phonebook contains more than 100 entries, select and copy desired entries only, using "Copying multi entries", page 22.

Base unit

- 1 **[☰]** → **[MENU]**
- 2 **[▼]/[▲]**: "Copy all to HS" → **[SELECT]**
- 3 Enter the handset number you want to copy to.
 - When all entries have been copied, "Completed" is displayed.
- 4 **[■]** (EXIT)

Handset

- 1 **[MENU]** → **[*][2][8][0]** → **[MENU]**
- 2 **[▼]/[▲]**: "Copy all to base" → **[SELECT]**
 - When all entries have been copied, "Completed" is displayed.
- 3 **[OFF]**

Programming

Programmable settings

You can customize the unit by programming the following features using the handset or base unit.

To access the features, there are 2 methods:

- scrolling through the display menus (page 24)
- using the direct commands (page 27)
- Direct command is the main method used in these operating instructions.

Programming by scrolling through the display menus




 Handset /  Base unit

- 1 **[MENU]**
- 2 Proceed with the operation for your unit.
Handset: Press **[▼]**, **[▲]**, **[◀]**, or **[▶]** to select the desired main menu. → **[SELECT]**
Base unit: Press **[▼]**, **[▲]**, **[◀◀]**, or **[▶▶]** to select the desired main menu. → **[SELECT]**
- 3 Press **[▼]** or **[▲]** to select the desired item in sub-menu 1. → **[SELECT]**
 - In some cases, you may need to select from sub-menu 2. → **[SELECT]**
- 4 Press **[▼]** or **[▲]** to select the desired setting. → **[SAVE]**
 - This step may vary depending on the feature being programmed.
 - To exit the operation, press **[OFF]** on the handset or **[■]** (EXIT) on the base unit.




Note:

- See page 27 for the default settings.

Handset



Main menu	Sub-menu 1	Sub-menu 2	Page	
View Caller ID 	-	-	32	
Phonebook 	-	-	20	
Answering device 	Play new msg.	-	37	
	Play all msg.	-	37	
	Answer on ^{*1}	-	35	
	Answer off ^{*1}	-	35	
	Erase all	-	38	
	Settings	Ring count ^{*1}	-	40
		Recording time ^{*1}	-	40
Remote code ^{*1}		-	38	
Call screening		-	40	

Programming





Main menu	Sub-menu 1	Sub-menu 2	Page	
Ringer settings 	Ringer volume	Line1	17	
		Line2		
	Ringer tone	Line1	-	
		Line2		
	Interrupt tone	-	19, 42	
Night mode	Start/End	30		
	On/Off	30		
Initial settings 	Contrast	-	-	
	Key tone	-	-	
	Auto talk	-	17	
	Line select	-	14	
	Set tel line	Set dial mode ^{*1}		14
		Set flash time ^{*1}		18
		- Line1		
		- Line2		
	Set line mode ^{*1}	- Line1		-
- Line2				
Set area code ^{*1}		33		
Registration	HS registration		31	
	Deregistration		31	
Change language	Display language		14	
Set date & time 	Date and time ^{*1}	-	14	
	Alarm	-	30	
	Time adjustment ^{*1}	-	-	

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

Base unit

Main menu	Sub-menu 1	Sub-menu 2	Page
View Caller ID 	-	-	32
Phonebook 	-	-	20

Programming

Main menu	Sub-menu 1	Sub-menu 2	Page
Set answering 	Record greeting	Line1&Line2	35
		Line1	
		Line2	
	Play greeting	Line1&Line2	36
		Line1	
		Line2	
	Ring count ^{*1}	–	40
Recording time ^{*1}	–	40	
Remote code ^{*1}	–	38	
Call screening	–	40	
Ringer settings 	Ringer volume	Line1	17
		Line2	
	Ringer tone	Line1	–
		Line2	
	Interrupt tone	–	19, 42
Night mode	Start/End	30	
	On/Off	30	
Initial settings 	Contrast	–	–
	Line select	–	14
	Set tel line	Set dial mode ^{*1}	14
		Set flash time ^{*1}	18
		– Line1	–
		– Line2	
	Set line mode ^{*1}	–	
– Line1	–		
– Line2			
Set area code ^{*1}	33		
Privacy	–	19	
Change language	Display language	14	
Set date & time 	Date and time ^{*1}	–	14
	Time adjustment ^{*1}	–	–

*1 If you program these settings using the base unit, you do not need to program the same item again using the handset.

Programming

Programming using the direct commands

- 1 [MENU] → [⇐]
- 2 Enter the desired feature code.
- 3 [v]/[▲]: Select the desired setting. → [SAVE]
 - This step may vary depending on the feature being programmed.
 - To exit the operation, press [OFF] on the handset or [■](EXIT) on the base unit.

Note:

- The operating unit column shows the unit(s) that can be used to program the item.
 - ☞: Only the handset can program the item.
 - ☞☞: Only the base unit can program the item.
 - ☞/☞☞: Both the handset and base unit can program the item.
- In the following table, < > indicates the default settings.

Operating unit	Feature	Feature code	Setting	System setting ^{*1}	Page
☞	Alarm	[7][2][0]	<Off> Once Daily	–	30
☞	Answer off	[3][2][8]	–	●	35
☞	Answer on	[3][2][7]	–	●	35
☞	Auto talk ^{*2}	[2][0][0]	On <Off>	–	17
☞/☞☞	Call screening	[3][1][0]	<On> Off	–	40
☞/☞☞	Contrast (Display contrast)	[1][4][5]	Level 1–6 <3>	–	–
☞/☞☞	Date and time	[1][0][1]	–	●	14
☞	Deregistration	[1][3][1]	–	–	31
☞/☞☞	Display language	[1][1][0]	<English> العربية فارسي	–	14
☞	Erase all (Erasing all messages)	[3][2][5]	–	–	38
☞	HS registration (Handset registration)	[1][3][0]	–	–	31
☞/☞☞	Interrupt tone ^{*3}	[2][0][1]	<On> Off	–	19, 42
☞	Key tone ^{*4}	[1][6][5]	<On> Off	–	–
☞/☞☞	Line select	[2][5][0]	<Auto> Line1 Line2	–	14
☞/☞☞	Night mode (On/Off)	[2][3][8]	On <Off>	–	30
☞/☞☞	Night mode (Start/End)	[2][3][7]	<23:00/06:00>	–	30

Programming

Operating unit	Feature	Feature code	Setting	System setting ^{*1}	Page
	Phonebook	[2][8][0]	-	-	20
	Play all msg. (msg.: messages)	[3][2][4]	-	-	37
	Play greeting	[3][0][3]	-	-	36
	Play new msg. (msg.: messages)	[3][2][3]	-	-	37
	Privacy ^{*5}	[1][9][4]	On <Off>	-	19
	Record greeting	[3][0][2]	-	-	35
	Recording time	[3][0][5]	1min 2min <3min>	●	40
	Remote code	[3][0][6]	<111>	●	38
	Ring count	[2][1][1]	Toll saver 2-7 rings <4rings>	●	40
	Ringer tone ^{*6, *7}	[1][6][1]	Line 1 Line 2 Line 1: <Tone 1> Line 2: <Tone 2> Handset: Tone 1-5 Melody 1-10 Base unit: Tone 1-3 Melody 1-3	-	-
	Ringer volume ^{*8}	[1][6][0]	Line 1 Line 2 Handset: Level 1-6 <6>, Off Base unit: Level 1-6 <3>, Off	-	17
	Set area code	[2][5][5]	-	●	33
	Set dial mode	[1][2][0]	<Tone> Pulse	●	14
	Set flash time ^{*9}	[1][2][1]	Line 1 Line 2 80ms 90ms 100ms 110ms 160ms 200ms 250ms 300ms 400ms 600ms <700ms> 900ms	●	18
	Set line mode ^{*10}	[1][2][2]	Line 1 Line 2 A 	●	-
	Time adjustment ^{*11} (Caller ID subscribers only)	[2][2][6]	<Caller ID[auto]> Manual	●	-
	View Caller ID	[2][1][3]	-	-	32

*1 If "System setting" column is checked, you do not need to program the same item using another unit.

Programming

- *2 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.
- *3 This tone lets you know when you receive an outside call while you are on the other line or an intercom call. If you select "on", the tone sounds 2 times.
- *4 Turn this feature off if you prefer not to hear key tones while you are dialing or pressing any keys, including confirmation tones and error tones.
- *5 To prevent other users from joining your conversations with outside callers, turn this feature on.
- *6 If you select one of the melody ringer tones, the ringer tone continues to play for several seconds even if the caller has already hung up. You may either hear a dial tone or no one on the line when you answer the call.
- *7 The preset tones and melodies in this product are used with permission of © 2007 Copyrights Vision Inc.
- *8 When the ringer volume is turned off, μ is displayed followed by the selected line number(s) and the handset and/or base unit do not ring for outside calls.
- *9 The flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
- *10 Generally, the line mode setting should not be adjusted. If the LINE1 indicator or LINE2 indicator does not light when another phone connected to the same line is in use, you need to change the line mode to "A".
- *11 If the Caller ID time and date display service is available in your area, 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.

Programming

Special programming

Night mode

Night mode allows you to select a period of time during which the handset and/or base unit 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 independently for each handset and base unit.

Important:

- Set the date and time beforehand (page 14).
- **Handset only:** If you have set the alarm, the alarm sounds even if the night mode is turned on.

Setting the start and end time

 Handset /  Base unit

- 1 **[MENU]** → **[#][2][3][7]**
- 2 Enter the desired hour and minute you wish to start this feature. → **[OK]**
- 3 Enter the desired hour and minute you wish to end this feature. → **[OK]**
- 4 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

Note:


- To correct a digit:
Handset: Press **[←]** or **[→]** to move the cursor to the digit, then make the correction.
Base unit: Press **[←←]** or **[→→]** to move the cursor to the digit, then make the correction.

Turning night mode on/off

 Handset /  Base unit

- 1 **[MENU]** → **[#][2][3][8]**
- 2 **[▼]/[▲]:** "On" or "Off" → **[SAVE]**
- 3 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

Note:

- When the night mode is turned on,  is displayed.

Alarm

An alarm sounds at the set time for 3 minutes once or daily. Alarm can be set for each handset.


Important:

- Set the date and time beforehand (page 14).

Handset

- 1 **[MENU]** → **[#][7][2][0]**
- 2 **[▼]/[▲]:** Select the desired alarm option. → **[SELECT]**

Off	Turns alarm off. Go to step 6.
Once	An alarm sounds once at the set time. • If you select Arabic or Persian as the display language, enter the desired month and date.
Daily	An alarm sounds daily at the set time. Go to step 4.

- 3 Enter the desired date and month.
- 4 Set the desired time. → **[OK]**
- 5 **[▼]/[▲]:** Select the desired ringer tone. → **[SELECT]**
• We recommend selecting a ringer tone different from the ringer tone set for outside calls.
- 6 **[SELECT]** → **[OFF]**
• When the alarm is set,  is displayed.

Note:

- To stop the alarm, press any dial key or place the handset on the base unit or charger.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.
- If you select "Once", the setting changes to "Off" after the alarm sounds.
- The ringer volume for alarm follows the higher volume level of the 2 lines (page 28).
- When the ringer volume for outside calls of the 2 lines is set to off (page 28), the alarm sound is heard at the low level.

Registering a unit

Operating additional units

Additional handsets

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

Important:

- See page 3 for information on the available model.

Registering a handset to a base unit

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

1 Handset:

[MENU] → [⊕][1][3][0]

2 Base unit:

Press and hold **[LOCATOR]** for about 5 seconds until the registration tone sounds.

- If all registered handsets start ringing, press the same button to stop. Then repeat this step.
- The next step must be completed within 90 seconds.

3 Handset:

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

Note:

- When you purchase an additional handset, refer to the additional handset's installation manual for registration.

Deregistering a handset

A handset can cancel its own registration (or the registration of another handset) that is stored to the base unit. This allows the handset to end its wireless connection with the system.

Handset

1 [MENU] → [⊕][1][3][1]

2 [3][3][5] → [OK]

- 3** Select the handset you want to cancel by pressing the desired handset(s) number.
- The selected handset number(s) flashes.

- To cancel a selected handset number, press the number again. The number will stop flashing.

4 [OK] → [▼]/[▲]: "yes" → [SELECT]

- When you cancel a different handset than the one you are now using, press **[OFF]** to exit.

Caller ID Service

Using Caller ID service

Important:

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

Caller ID features

When an outside call is being received, the caller's phone number 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:
 - “**Out of area**”: The caller dials from an area which does not provide a Caller ID service.
 - “**Private caller**”: The caller requests not to send caller information.
- If the unit is connected to a PBX system, caller information may not be properly received. Contact your PBX supplier.
- If the name display service is available in your area, the display shows caller names. For further information, please contact your service provider/telephone company.

Missed calls

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

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.

Group ringer tone for phonebook

This feature can help you identify who is calling by using different ringer tones for different groups of callers. When adding an entry to the phonebook, you can assign it to the desired group (page 20). When a call is received from a caller assigned to a group, the group's ringer you selected rings after the caller information is displayed. If you select

“**No ringer ID**” (default), the unit uses the ringer tone you selected on page 28 when calls from this group are received.

- The ringer may be changed after the 2nd ring.

Handset / Base unit

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [Ⓜ][2][8][0]
Base unit: [📞]
- 2 [MENU]
- 3 [▼]/[▲]: “Group” → [SELECT]
- 4 [▼]/[▲]: Select the desired group. → [SELECT]
- 5 [▼]/[▲]: Select the current setting of the group ringer tone. → [SELECT]
- 6 [▼]/[▲]: Select the desired item. → [SAVE]
- 7 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Caller list

Important:

- Only 1 person can access the caller list at a time.
- Make sure the unit's date and time setting is correct (page 14).

Viewing the caller list and calling back

Handset / Base unit

- 1 Proceed with the operation for your unit.
Handset: [MENU] → [▼]/[▲]: “View Caller ID” → [SELECT]
Base unit: [CID]
- 2 Press [▼] to search from the most recent call, or [▲] to search from the oldest call.
- 3 Proceed with the operation for your unit.
Handset:
 - To call back, press [↶].
 - To exit, press [OFF].**Base unit:**
 - To call back, press [SP-PHONE].
 - To exit, press [■] (EXIT).

Caller ID Service

Note:

- In step 2;
 - [L1] and [L2] indicate which line the caller information was received from.
 - If the item has already been viewed or answered, “√” is displayed, even if it was viewed or answered using another unit.
 - if an arrow (▶) is displayed after the number, the whole phone number is not shown. Proceed with the operation for your unit.

Handset:

Press [▶] to see the remaining numbers. To return to the previous display, press [◀].

Base unit:

Press [▶▶] to see the remaining numbers. To return to the previous display, press [◀◀].

- In step 3, the unit automatically uses the line you set in line selection mode (page 14) to call back. When the line selection mode is set to “Auto”, the indicated line ([L1] or [L2]) is used for the call. If the indicated line is already being used or you want to select the other line:

Handset: Press [LINE 1] or [LINE 2].

Base unit: Press [LINE 1] or [LINE 2].

- If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically (page 33).

Storing an area code to be deleted automatically

In some situations, phone numbers stored automatically in the caller list (page 32) will include area codes. If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically.

Example: You have stored the area code “123”. If you make a call from the caller list to the phone number “123-456-7890”, the unit dials “456-7890”.

Program this setting using either one of the handsets or the base unit.

Handset / Base unit

- 1 [MENU] → [Ⓜ][2][5][5]
- 2 Enter your area code (5 digits max.).
 - To correct a digit:

Handset: Press [◀] or [▶] to move the cursor, then press [CLEAR]. Enter the correct number.

Base unit: Press [◀◀] or [▶▶] to move the cursor, then press [CLEAR]. Enter the correct number.

- 3 Proceed with the operation for your unit.

Handset: [SAVE] → [OFF]

Base unit: [SAVE] → [■] (EXIT)

To erase your area code

- 1 [MENU] → [Ⓜ][2][5][5]

- 2 Press and hold [CLEAR] until all digits erased.

- 3 Proceed with the operation for your unit.

Handset: [SAVE] → [OFF]

Base unit: [SAVE] → [■] (EXIT)

Editing a caller's phone number before calling back

Handset / Base unit

- 1 Proceed with the operation for your unit.

Handset: [MENU] → [▼]/[▲]: “View Caller ID” → [SELECT]

Base unit: [CID]

- 2 [▼]/[▲]: Select the desired entry.

- 3 [MENU] → [▼]/[▲]: “Edit & Call” → [SELECT]

- 4 Add or erase digits to the beginning of the number as necessary.

- To add a digit, press the desired dial key.
- To erase a digit, press [CLEAR].

- 5 Proceed with the operation for your unit.

Handset: [↶]

Base unit: [SP-PHONE]

- If the indicated line is already being used or you want to select the other line:

Handset: Press [CALL], then press [LINE 1] or [LINE 2].


Base unit: Press [LINE 1] or [LINE 2].

Note:

- The edited phone number is not saved in the caller list.

Caller ID Service

Erasing selected caller information

 Handset /  Base unit

- 1 Proceed with the operation for your unit.
Handset: **[MENU]** → **[▼]/[▲]**: "View Caller ID" → **[SELECT]**
Base unit: **[CID]**
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[MENU]** → **[▼]/[▲]**: "Erase" → **[SELECT]**
- 4 **[▼]/[▲]**: "Yes" → **[SELECT]**
- 5 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

Erasing all caller information

 Handset /  Base unit

- 1 Proceed with the operation for your unit.
Handset: **[MENU]** → **[▼]/[▲]**: "View Caller ID" → **[SELECT]**
Base unit: **[CID]**
- 2 **[ERASE]** (soft key) → **[▼]/[▲]**: "Yes" → **[SELECT]**
- 3 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

Storing caller information to the phonebook

 Handset /  Base unit

- 1 Proceed with the operation for your unit.
Handset: **[MENU]** → **[▼]/[▲]**: "View Caller ID" → **[SELECT]**
Base unit: **[CID]**
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[MENU]** → **[▼]/[▲]**: "Add phonebook" → **[SELECT]**
- 4 If necessary, edit the party's name (16 characters max.). → **[OK]**
- 5 If necessary, edit the party's phone number (24 digits max.). → **[OK]**
- 6 **[▼]/[▲]**: Select the desired group (page 20). → **[SELECT]** 2 times

- To add other entries, repeat from step 2.
- 7 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)



Answering System

Answering system

The answering system can answer and record calls for you when you are unavailable to answer the phone.

Important:

- Only 1 person can access the answering system (listen to messages, record a greeting message, etc.) at a time.
- When callers leave messages, the unit records the day and time of each message. Make sure the date and time have been set correctly (page 14).
- Answering system announcements are in English only.

Memory capacity

The total recording capacity (including your greeting message) is about 40 minutes. A maximum of 64 messages can be recorded.

Note:

- If message memory becomes full:
 - “Messages full” is shown on the handset and base unit display.
 - The ANSWER ON indicator on the base unit flashes rapidly when the answering system is turned on.
- When the message memory becomes full:
 - 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

- **To turn on:**
Press **[ANSWER SELECT]** repeatedly to select the desired line(s). → **[ANSWER ON]**
- **To turn off:**
Press **[ANSWER ON]**.

Handset

- **To turn on:**
 - 1 **[MENU]** → **[*][3][2][7]**
 - To select the desired line(s), press **[0/1]** repeatedly. → **[v]/[^]**: “Answer on” → **[SELECT]**
 - 2 **[OFF]**
- **To turn off:**
 - 1 **[MENU]** → **[*][3][2][8]**
 - 2 **[OFF]**

Note for base unit and handset:

- When the answering system is turned on, the ANSWER ON indicator on the base unit lights up.

Call screening

Handset / Base unit

While a caller is leaving a message, you can listen to the call through the handset's or base unit's speaker. To adjust the speaker volume, press **[^]** or **[v]** repeatedly.

You can answer the call by pressing **[hook]** on the handset or pressing **[SP-PHONE]** on the base unit.

Call screening can be set for each handset and/or the base unit.

Note:

- To turn this feature off, see page 40.

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

Greeting messages can be recorded in one of the two following ways:

- for line 1 and line 2 with different greetings (2 minutes max. for each greeting)
- for line 1 and line 2 with the same greeting (2 minutes max.). Select “Line1&Line2” in step 2.

Answering System

Base unit

- 1 **[MENU]** → **[#][3][0][2]**
- 2 **[▼]/[▲]**: Select the desired line(s). → **[SELECT]**
- 3 After the base unit beeps, speak clearly about 20 cm away from the MIC.
- 4 Press **[STOP]** to stop recording.
 - The message you have recorded is played after the beep.
- 5 **[■]** (EXIT)

Using a pre-recorded greeting message

If you erase or do not record your own greeting message, the unit plays a pre-recorded greeting message for callers and asks them to leave messages.

Erasing your greeting message (Resetting to a pre-recorded greeting message)

If you want to use a pre-recorded greeting message once you record your own greeting message, you need to erase your own greeting message.

Base unit

- 1 **[MENU]** → **[#][3][0][3]**
- 2 **[▼]/[▲]**: Select the desired line(s). → **[SELECT]**
- 3 Press **[ERASE]** while your greeting message is playing.
- 4 **[■]** (EXIT)

Playing back the greeting message

Base unit

- 1 **[MENU]** → **[#][3][0][3]**
- 2 **[▼]/[▲]**: Select the desired line(s). → **[SELECT]**
- 3 **[■]** (EXIT)

Listening to messages using the base unit

When new messages have been recorded, the message indicator on the base unit flashes. Press **[▶]**.

- If new messages have been recorded, the base unit plays back new messages.
- If there are no new messages, the base unit plays back all messages.

Playing back messages for the desired line(s)

Press **[ANSWER SELECT]** repeatedly to select the desired line(s), then press **[▶]**.

Operating the answering system during playback

Key	Operation
[▲] or [▼]	Adjust the speaker volume
[◀◀]	Repeat message ^{*1}
[▶▶]	Skip message
[PAUSE]	Pause message To resume playback, press [▶] .
[■] (STOP)	Stop playback To exit the playback mode, press [■] (EXIT).
[ERASE]	Erase currently playing message

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

Calling back (Caller ID subscribers only)

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

Press **[SP-PHONE]** during playback.

- To edit the number before calling back, press **[EDIT]**, then edit the number.
- The unit automatically uses the line you set in line selection mode (page 14) to call back. When the line selection mode is set to "Auto", the indicated line (**[■]** or **[■]**) is used for the call. If the indicated line is already being used or you

Answering System

want to select the other line, press **[LINE 1]** or **[LINE 2]**.

Erasing all messages

Erasing all messages for both line 1 and line 2

- 1 **[ERASE]**
 - **[☎]** is displayed.
- 2 Press **[ERASE]** again.

Erasing all messages for the desired line(s)

Press **[ANSWER SELECT]** repeatedly to select the desired line(s), then press **[ERASE]** 2 times.

Listening to messages using the handset

When new messages have been recorded, "New message" is displayed.

- 1 To play new messages:
[MENU] → **[#][3][2][3]**
To play all messages:
[MENU] → **[#][3][2][4]**
- 2 When finished, press **[OFF]**.

Note:

- To switch to the receiver, press **[↶]**.

Playing back messages for the desired line(s)

- 1 **[MENU]** → **[▼]/[▲]**: "Answering device" → **[SELECT]**
- 2 Press **[☎]** repeatedly to select the desired line(s).
- 3 **[▼]/[▲]**: "Play new msg." or "Play all msg." → **[SELECT]**
- 4 When finished, press **[OFF]**.

Operating the answering system

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

To use the following commands:

[MENU] → **[▼]/[▲]**: "Answering device" → **[SELECT]** → Press **[☎]** repeatedly to select the desired line(s) if necessary.

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
[PAUSE]	Pause message ^{*2}
[9]	Stop playback
[0]	Turn answering system off
[*][4]	Erase currently playing message
[*][5]	Erase all messages
[#][1] → [8] ^{*3}	Turn answering system on for line 1 only
[#][2] → [8] ^{*3}	Turn answering system on for line 2 only
[#][0] → [8] ^{*3}	Turn answering system on for both line 1 and line 2

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

*2 To resume playback:

[▼]/[▲]: "Playback" → **[SELECT]**

*3 When you press a line selection number (**[#][1]**, **[#][2]**, or **[#][0]**), the selected line(s) is announced, then press **[8]**.

Calling back (Caller ID subscribers only)

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

- 1 Press **[MENU]** during playback.
- 2 **[▼]/[▲]**: "Call back" → **[SELECT]**
 - To switch to the receiver, press **[↶]** after the other party answers.
 - The unit automatically uses the line you set in line selection mode (page 14) to call back. When the line selection mode is set to "Auto", the indicated line (**[L1]** or **[L2]**) is used for the call. If the indicated line is already being used or you want to select the

Answering System

other line, perform "Editing the number before calling back", page 38.

Editing the number before calling back

- 1 Press **[MENU]** during playback.
- 2 **[v]/[▲]**: "Edit & Call" → **[SELECT]**
- 3 Edit the number. → **[↶]**

Note:

- The unit automatically uses the line you set in line selection mode (page 14) to call back. When the line selection mode is set to "Auto", the indicated line (**[1]** or **[2]**) is used for the call. If the indicated line is already being used or you want to select the other line, press **[CALL]**, then press **[LINE 1]** or **[LINE 2]**.

Erasing all messages

Erasing all messages for both line 1 and line 2

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

Erasing all messages for the desired line(s)

- 1 **[MENU]** → **[v]/[▲]**: "Answering device" → **[SELECT]**
- 2 Press **[☰]** repeatedly to select the desired line(s).
- 3 **[v]/[▲]**: "Erase all" → **[SELECT]**
- 4 **[v]/[▲]**: "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".

Program this setting using either one of the handsets or the base unit.

Handset / Base unit

- 1 **[MENU]** → **[#][3][0][6]**
- 2 Enter the desired 3-digit remote access code. → **[SAVE]**
- 3 Proceed with the operation for your unit.
Handset: **[OFF]**
Base unit: **[■]** (EXIT)

Using the answering system remotely

- 1 Dial your phone number from a touch-tone phone.
- 2 After the greeting message starts, enter your remote access code.
 - The unit announces the number of new messages.
- 3 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 39).
- 4 When finished, hang up.

Note:

- You can also leave a message just as any outside caller can. After the greeting message starts, press **[*]** to skip the greeting message and record your message after the beep.

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. Operations are presented by voice guidance in the following order:

- Play back all messages
- Play back new messages
- Record your message
- Erase all messages
- Record your greeting message

Note:

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

Answering System

Remote commands

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

- 1 Select the desired line(s) while you are accessing the answering system if necessary.
For line 1: **[#][1]**
For line 2: **[#][2]**
For line 1 and line 2: **[#][0]**
- 2 Press the desired dial keys.

Key	Operation
[1]	Repeat message (during playback) ^{*1}
[2]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[6]	Play greeting message
[#][1][7]	Record a greeting message for line 1 only
[#][2][7]	Record a greeting message for line 2 only
[#][0][7]	Record a common greeting message for both line 1 and line 2
[#][1][8]	Turn answering system on for line 1 only
[#][2][8]	Turn answering system on for line 2 only
[#][0][8]	Turn answering system on for both line 1 and line 2
[9]	Stop recording Stop playback ^{*2}
[0]	Turn answering system off
[*][4]	Erase currently playing message
[*][5]	Erase all messages
[*][6]	Erase greeting message (during greeting message playback) ^{*3}
[*][#]	End remote operation (or hang up)

*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 3 seconds, or the voice guidance starts.
*3 Unit resets to a pre-recorded greeting message.

Turning on the answering system remotely

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

Important:

- The answering system can be remotely turned on only for the line which you have currently selected in "Turning the answering system on/off", page 35.
- 1 Dial your phone number from a touch-tone phone.
 - 2 Let the phone ring 15 times.
 - 3 Enter your remote access code after the beep.
 - The greeting message is played back.
 - You can either hang up, or enter your remote access code again and begin remote operation (page 38).

Note:

- If you want to turn on the answering system for the line which has not been selected in "Turning the answering system on/off", page 35, enter the desired remote commands, **[#][1][8]**, **[#][2][8]**, or **[#][0][8]** (refer to the column to the left) to turn on and access the other line.

Answering System

Answering system settings

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 “**4rings**”.

“**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 4th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 38), 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.

Program this setting using either the one of the handsets or base unit.

Handset / Base unit

- 1 **[MENU]** → **[#][2][1][1]**
- 2 **[▼]/[▲]**: Select the desired setting. → **[SAVE]**
- 3 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

For voice mail service subscribers

To receive voice mail and use answering system properly, please note the following:

- To use the voice mail service provided by your service provider/telephone company rather than the unit’s answering system, turn off the answering system (page 35).
- To use this unit’s answering system rather than the voice mail service provided by your service provider/telephone company, please contact your service provider/telephone company to deactivate your voice mail service.

If your service provider/telephone company cannot do this:

- Set this unit’s “**Ring count**” setting so that this unit’s answering system answers calls before the voice mail service of your service provider/telephone company does. It is necessary to check the number of rings

required to activate the voice mail service provided by your service provider/telephone company before changing this setting.

- Change the number of rings of the voice mail service so that the answering system can answer the call first. To do so, contact your service provider/telephone company.

Caller’s recording time

You can change the maximum message recording time allotted to each caller. The default setting is “**3min**”.

Program this setting using either the one of the handsets or base unit.

Handset / Base unit

- 1 **[MENU]** → **[#][3][0][5]**
- 2 **[▼]/[▲]**: Select the desired setting. → **[SAVE]**
- 3 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Turning the call screening on/off

You can set the call screening feature “**On**” or “**Off**”. For details, see page 35. The default setting is “**On**”.

Handset / Base unit

- 1 **[MENU]** → **[#][3][1][0]**
- 2 **[▼]/[▲]**: Select the desired setting. → **[SAVE]**
- 3 Proceed with the operation for your unit.
Handset: [OFF]
Base unit: [■] (EXIT)

Voice mail service

Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to this service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. Please contact your service provider/telephone company for details of this service.

Important:

- To use the voice mail service provided by your service provider/telephone company rather than the unit's answering system, turn off the answering system (page 35). For details, see page 40.

Voice mail message indication

The unit lets you know that you have new voice mail messages by showing "VoiceMail:Line1" and/or "VoiceMail:Line2" on the display. To listen to your voice mail messages, you must dial your service provider/telephone company's voice mail access number.

Note:

- If the handset or base unit still indicates there are new messages even after you have listened to all new messages, turn it off by pressing and holding **[OFF]** on the handset until a beep sounds.
- If your voice mail service uses voice mail tones and a message is over 3 minutes long, the unit may not indicate new messages.

Intercom/Locator

Intercom

Intercom calls can be made:

- between the handset and base unit
- between handsets

Note:

- If you receive an outside call while talking on the intercom, an interrupt tone will be heard (page 27).
 - To answer the call with the handset, press **[OFF]**, then press **[↶]**. You can also answer the call by pressing **[LINE 1]** or **[LINE 2]** after hanging up the intercom.
 - To answer the call with the base unit, press **[SP-PHONE]** 2 times. You can also answer the call by pressing **[LINE 1]** or **[LINE 2]** after hanging up the intercom.
- When paging unit(s), the paged unit(s) beeps for 1 minute.

Making an intercom call

Handset

- 1 **[INTERCOM]**
- 2 To page the base unit, press **[0]**.
To page another handset, enter its extension number.
 - To stop paging, press **[OFF]**.
- 3 When you finish talking, press **[OFF]**.

Base unit

- 1 Proceed with the desired operation.
 - **When 1 handset is registered:**
Press **[INTERCOM]**.
 - **When 2 or more handsets are registered:**
Press **[INTERCOM]**.
 - To page a specific handset, enter the handset number.
 - To page all handsets, press **[0]** or wait for a few seconds.
 - To stop paging, press **[INTERCOM]**.
- 2 When you finish talking, press **[INTERCOM]**.

Answering an intercom call

Handset

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

Base unit

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

Note for handset and base unit:

- The ringer volume for intercom calls follows the higher volume level of the 2 lines (page 28). Even when the ringer volume for both lines is set to off (page 28), the handset and/or base unit still rings at the low level for intercom calls.

Handset locator

You can locate a misplaced handset by paging it.

- 1 **Base unit:**
[LOCATOR]
 - All registered handsets beep for 1 minute.
- 2 To stop paging:
Handset:
Press **[↶]**, then press **[OFF]**.
Base unit:
Press **[LOCATOR]**.

Note:

- Even when the ringer volume for both lines is set to off (page 28), the handset still rings at the low level for paging.

Transferring calls

Outside calls can be transferred between 2 people.

Handset

- 1 During an outside call, press **[INTERCOM]** once to put the call on hold.
- 2 To page the base unit, press **[0]**.
To page another handset, enter its extension number.
- 3 Wait for the paged party to answer.
 - If the paged party does not answer, press **[LINE 1]** or **[LINE 2]** that is flashing on the handset to return to the outside call.
- 4 **[OFF]**
 - The outside call is being routed to the destination unit.

Base unit

- 1 Proceed with the desired operation.
 - **When 1 handset is registered:**
During an outside call, press **[INTERCOM]**.
 - **When 2 or more handsets are registered:**
During an outside call, press **[INTERCOM]**.
 - To page a specific handset, enter the handset number.
 - To page all handsets, press **[0]** or wait for a few seconds.
- 2 Wait for the paged party to answer.
 - If the paged party does not answer, press the flashing **[LINE 1]** or **[LINE 2]** to return to the outside call.
- 3 Press **[INTERCOM]**.
 - The outside call is being routed to the handset.

Answering a transferred call

Handset

Press **[hook]** 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.

Conference calls

3 people can establish a conference call.

Conference call with 2 outside calls

While you are talking with an outside caller, you can make or answer a 2nd call on the other line, and then combine the calls to establish a conference call.

Handset

- 1 During an outside call, press **[HOLD]** 2 times.
- 2 To answer a 2nd call, press **[LINE 1]** or **[LINE 2]**.
To make a 2nd call, press **[LINE 1]** or **[LINE 2]**, then dial the phone number.
- 3 When the 2nd call is connected, press **[MENU]**. → **[v]/[▲]**: "Conference" → **[SELECT]**
 - The 2 calls are combined.
 - To hang up only one line, press **[LINE 1]** or **[LINE 2]** for the party with which you want to continue talking.
 - To put both lines on hold, press **[HOLD]**. To talk with only one caller, press **[LINE 1]** or **[LINE 2]** for the party with which you want to continue talking. To resume both lines, press **[CONF]**.

Base unit

- 1 During an outside call, press **[HOLD]**.
- 2 To answer a 2nd call, press **[LINE 1]** or **[LINE 2]**.
To make a 2nd call, press **[LINE 1]** or **[LINE 2]**, then dial the phone number.
- 3 When the 2nd call is connected, press **[MENU]**. → **[v]/[▲]**: "Conference" → **[SELECT]**
 - The 2 calls are combined.
 - To hang up only one line, press **[LINE 1]** or **[LINE 2]** for the party with which you want to continue talking.
 - To put both lines on hold, press **[HOLD]**. To talk with only one caller, press **[LINE 1]** or **[LINE 2]** for the party with which you want to continue talking. To resume both lines, press **[CONF]**.

Intercom/Locator

Conference call with an outside call and an intercom call

While you are talking with an outside caller, one more extension can join the conversation and establish a conference call.

Handset

- 1 During an outside call, press **[INTERCOM]** once to put the call on hold.
- 2 To page the base unit, press **[0]**.
To page a specific handset, enter the handset number.
- 3 When the paged party answers, press **[CONF]**.
 - The 2 calls are combined.
 - To leave the conference, press **[OFF]**. The other 2 parties can continue the conversation.


Base unit

- 1 Proceed with the desired operation.
 - **When 1 handset is registered:**
During an outside call, press **[INTERCOM]**.
 - **When 2 or more handsets are registered:**
During an outside call, press **[INTERCOM]**.
 - To page a specific handset, enter the handset number.
 - To page all handsets, press **[0]** or wait for a few seconds.
- 2 When the paged party answers, press **[CONF]**.
 - The 2 calls are combined.
 - To leave the conference, press **[SP-PHONE]**. The other 2 parties can continue the conversation.

Note for the handset and base unit:

- The outside call can be put on hold by pressing **[HOLD]**. Only the person who placed the call on hold can resume the full conference by pressing **[CONF]**.

Character entry

 Handset /  Base unit

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. The characters that can be entered depend on the character entry mode (page 45).

- **Handset:** Press [**←**] or [**→**] to move the cursor left or right.
- **Base unit:** Press [**⏪**] or [**⏩**] to move the cursor left or right.
- Press dial keys to enter characters and numbers.
- Press [**CLEAR**] to erase the character or number highlighted by the cursor. Press and hold [**CLEAR**] to erase all characters or numbers.
- Press [*****] to switch between uppercase and lowercase.
- When entering another character located on the same dial key, operation will differ depending on the display language you select.

English

- Press [**→**] on the handset or [**⏩**] on the base unit to move the cursor to the next space, then press the appropriate dial key.

Arabic/Persian

- Press [**←**] on the handset or [**⏪**] on the base unit to move the cursor to the next space, then press the appropriate dial key.

Character entry modes

The available character entry modes are as follows:

Alphabet (ABC), Numeric (0-9), Arabic (أبجد), Persian (پهلوی), Extended 1 (AĀĀ)

When in these entry modes except Numeric, you can select which character is entered by pressing a dial key repeatedly.





When the unit displays the character entry screen:

[1/A/?] (right soft key) → [**▼**]/[**▲**]: Select a character entry mode. → [**OK**]











Note:

- When you select Arabic or Persian as the display language, numbers in the character table are displayed in Arabic or Persian.

Alphabet character table (ABC)

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

Numeric entry table (0-9)

									
0	1	2	3	4	5	6	7	8	9

Useful Information

Arabic character table (اﺑﺘ)

- When you select Arabic as the display language, Arabic character table is available.

0	1	2 ABC	3 DEF	4 GHI	5 JKL	6 MNO	7 PQRS	8 TUV	9 WXYZ
Space	# Space	ﺛ ﺟ ﺣ	ﺍ ﺑ ﺑ ﺓ ﺗ	ﻁ ﻄ ﻋ ﻎ	ﺱ ﺵ ﺹ	ﺩ ﺫ ﺭ ﺯ	ﻱ ﺀ ﻯ	ﻤ ﻨ ﻪ ﻭ ﻭ	ﻓ ﻖ ﻛ ﻚ
.	* () ' &	ﺦ	ﺁ ﺀ ﺇ ﺊ	ﻋ	ﺹ ﻩ	ﻆ	ﻱ ﺀ ﻯ	ﻤ ﻨ ﻪ ﻭ ﻭ	ﻓ ﻖ ﻛ ﻚ
0	1	2	3	4	5	6	7	8	9

Persian character table (اﺑﺘ)

- When you select Persian as the display language, Persian character table is available.

0	1	2 ABC	3 DEF	4 GHI	5 JKL	6 MNO	7 PQRS	8 TUV	9 WXYZ
Space	# Space	ﺛ ﺟ ﺣ	ﺍ ﺑ ﺑ ﺓ ﺗ	ﻁ ﻄ ﻋ ﻎ	ﺱ ﺵ ﺹ	ﺩ ﺫ ﺭ ﺯ	ﻱ ﺀ ﻯ	ﻤ ﻨ ﻪ ﻭ ﻭ	ﻓ ﻖ ﻛ ﻚ
.	* () ' &	ﺦ	ﺁ ﺀ ﺇ ﺊ	ﻋ	ﺹ ﻩ	ﻆ	ﻱ ﺀ ﻯ	ﻤ ﻨ ﻪ ﻭ ﻭ	ﻓ ﻖ ﻛ ﻚ
0	1	2	3	4	5	6	7	8	9

Extended 1 character table (AÄÄ)

0	1	2 ABC	3 DEF	4 GHI	5 JKL	6 MNO	7 PQRS	8 TUV	9 WXYZ
Space	Space #	A Ä Á	D E È	G Ğ H	J K L	M N Ñ	P Q R S	T U Û	W Ŵ X
0	& ' () *	À Á Â	É Ê Ë	I Ì Í	5	O Ò Ó	Ş ß 7	Ú Û Ü	Ý ŷ Z 9
	, - . / 1	Å Æ B	Ĕ Ė 3	Ĭ Ĵ Ķ		Ô Õ Ö	8	Û Ü 8	
		C Ç 2	4	4		ø 6			
		a à á	de è	g ğ h	j k l 5	m n ñ	p q r s	t u ù	w ŵ x
		â ä å	é ê ë	ï ï ï		o ò ó	ş ß 7	ú û ü	y ŷ z 9
		ã æ b	ë f 3	ı ĵ 4		ô õ ö		ü v 8	
		c ç 2				ø 6			

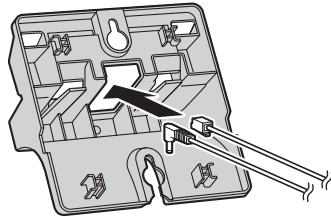
- The following are used for both uppercase and lowercase: ø ş ß ŵ ŷ

Useful Information

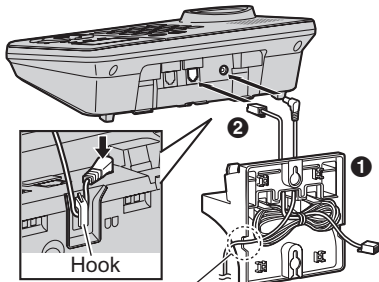
Wall mounting

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.

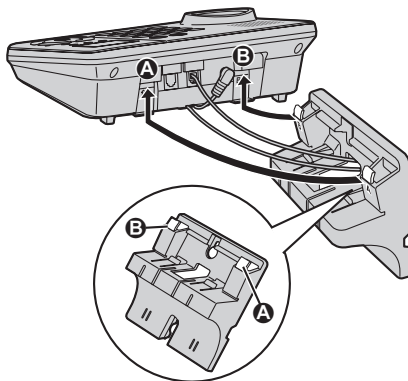


- 2 Tuck the telephone line cord inside the wall mounting adaptor (1). Connect the AC adaptor cord and telephone line cord (2).

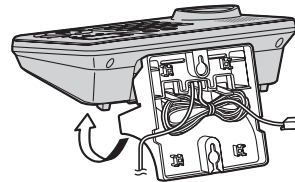
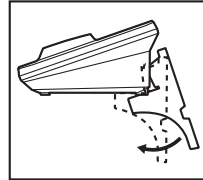


AC adaptor cord

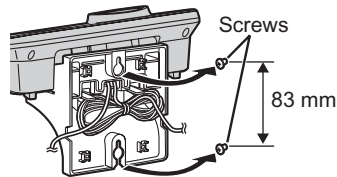
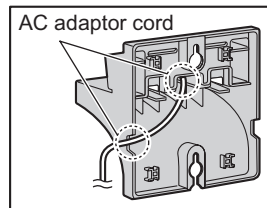
- 3 Insert the hooks on the wall mounting adaptor into holes A and B on the base unit.



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



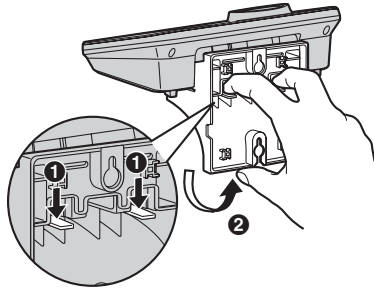
- 5 Connect the telephone line cord. Drive the screws (not supplied) into the wall. Mount the unit, and then slide it down. Connect the AC adaptor to power outlet (page 7).



Useful Information

To remove the wall mounting adaptor

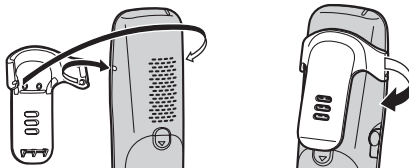
While pushing down the release levers (1), remove the adaptor (2).



Belt clip

■ To attach

■ To remove



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 unit is in use. • Other units are in use and the system is busy. Try again later. • Privacy mode is on for the call you tried to join (page 19). • The handset you are using is too far from the base unit. Move closer and try again. • The handset's registration may have been canceled. Re-register the handset (page 31).
Check tel line 1 Check tel line 2	<ul style="list-style-type: none"> • The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 8). • If you use the unit as a single-line telephone only, erase the message as follows: To erase "Check tel line 1", press [MENU]. → 【#】[1][8][9] To erase "Check tel line 2", press [MENU]. → 【#】[1][9][0] When a power failure occurs, the message is displayed again. Erase again as above.
Error!!	<ul style="list-style-type: none"> • Recording was too short. Try again.
Failed	<ul style="list-style-type: none"> • Phonebook copy failed (page 22). Confirm the other unit (the receiver) is in standby mode and try again.
Incomplete	<ul style="list-style-type: none"> • Phonebook copy is incomplete. The receiver's phonebook memory is full. Erase the unnecessary phonebook entries (page 21) from the other unit (the receiver) and try again.
Memory full	<ul style="list-style-type: none"> • The phonebook memory is full. Erase unnecessary entries (page 21). • Message memory is full. Erase unnecessary messages (page 36, 37).
Messages full	<ul style="list-style-type: none"> • Message memory is full. Erase unnecessary messages (page 36, 37).
No link to base. Reconnect AC adaptor.	<ul style="list-style-type: none"> • The handset has lost communication with the base unit. Move closer to the base unit and try again. • Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. • The handset's registration may have been canceled. Re-register the handset (page 31).
Use rechargeable battery.	<ul style="list-style-type: none"> • A wrong type of battery such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 3, 5.
You must first subscribe to Caller ID.	<ul style="list-style-type: none"> • You must subscribe to Caller ID service. Once you receive caller information after subscribing to Caller ID service, this message will not be displayed.

Useful Information

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 the batteries into the handset again.

General use



Problem	Cause/solution
The unit does not work.	<ul style="list-style-type: none"> ● Make sure the batteries are installed correctly (page 10). ● Fully charge the batteries (page 10). ● Check the connections (page 7). ● 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 31).
I cannot hear a dial tone.	<ul style="list-style-type: none"> ● The base unit's AC adaptor or telephone line cord is not connected. Check the connections. ● If you are using a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter. ● 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 service provider/telephone company.

Programmable settings


Problem	Cause/solution
The display is in a language I cannot read.	<ul style="list-style-type: none"> ● Change the display language (page 14).
While programming, the unit starts to ring.	<ul style="list-style-type: none"> ● A call is being received. Answer the call and start again after hanging up.
I cannot register a handset to a base unit.	<ul style="list-style-type: none"> ● The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 31). ● Place the handset and the base unit away from other electrical appliances.

Useful Information

Battery recharge

Problem	Cause/solution
The handset beeps and/or  flashes.	<ul style="list-style-type: none"> • Battery charge is low. Fully charge the batteries (page 10).
I fully charged the batteries, but  still flashes.	<ul style="list-style-type: none"> • Clean the charge contacts and charge again (page 10). • It is time to replace the batteries (page 10).
I fully charged the batteries, but the operating time seems to be shorter.	<ul style="list-style-type: none"> • Clean the battery ends (+, -) and the charge contacts with a dry cloth and charge again.

Making/answering calls, intercom

Problem	Cause/solution
 is flashing.	<ul style="list-style-type: none"> • The handset is too far from the base unit. Move closer. • The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit. • 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. • The handset is not registered to the base unit. Register it (page 31).
Noise is heard, sound cuts in and out.	<ul style="list-style-type: none"> • 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 and/or base unit does not ring.	<ul style="list-style-type: none"> • The ringer volume is turned off. Adjust the ringer volume (page 17). • Night mode is turned on. Turn it off (page 30).
I cannot make a call.	<ul style="list-style-type: none"> • The dialing mode may be set incorrectly. Change the setting (page 14). • The handset is too far from the base unit. Move closer and try again.

Useful Information

Caller ID

Problem	Cause/solution
Caller information is not displayed.	<ul style="list-style-type: none"> You must subscribe to Caller ID service. Contact your service provider/telephone company 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. Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.
Caller information is displayed late.	<ul style="list-style-type: none"> Depending on your service provider/telephone company, the unit may display the caller's information at the 2nd ring or later. Move closer to the base unit.
Time on the unit has shifted.	<ul style="list-style-type: none"> Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to "Manual" (off) (page 28).

Answering system

Problem	Cause/solution
The unit does not record new messages.	<ul style="list-style-type: none"> The answering system is not turned on for the line you wish to record messages from. Select the desired line or both lines, then turn the answering system on (page 35). The message memory is full. Erase unnecessary messages (page 36). The answering system is activated for both lines, and the 1st caller is leaving a voice message. The 2nd caller cannot leave a message, but the caller information will be stored (page 32). If you subscribe to a voice mail service, messages are recorded by your service provider/telephone company, not your telephone. Change the unit's number of rings setting or contact your service provider/telephone company (page 40).
I cannot operate the answering system.	<ul style="list-style-type: none"> Someone is using the unit. Wait for the other user to finish. A caller is leaving a message. Wait for the caller to finish. The handset is too far from the base unit. Move closer.
I cannot operate the answering system remotely.	<ul style="list-style-type: none"> You are entering the wrong remote access code. If you forgot the remote access code, enter the remote access code setting to check your current code (page 38). Press each key firmly. The answering system is turned off. Turn it on (page 39). You are using a rotary/pulse telephone. Try again using a touch-tone phone.
While recording a greeting message or listening to messages, the unit rings and recording stops.	<ul style="list-style-type: none"> A call is being received. Answer the call and try again later.

Useful Information

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset/base unit.	<ul style="list-style-type: none"> • 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 center.

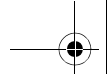
Caution:

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

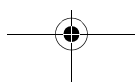
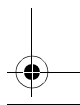
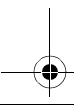
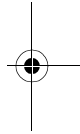
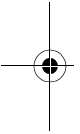
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Notes



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.



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