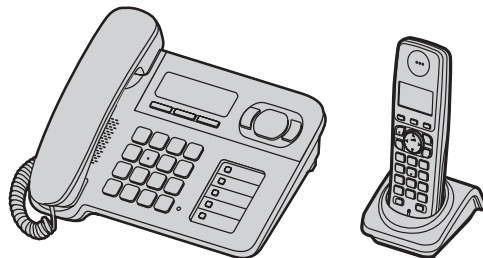


**Panasonic<sup>®</sup>**

## **Operating Instructions**

**2.4 GHz Digital Cordless Phone**

Model No. **KX-TG3651BX**



**Thank you for purchasing a Panasonic digital cordless phone.**

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 6 hours before initial use.**

Please read these operating instructions before using the unit and save them properly.

**Please access our online customer survey:  
<http://panasonic.net/pcc/tel/q>**

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**Introduction**

**Accessory information**

**Supplied accessories**

No.	Accessory item/Part number	Quantity
①	AC adaptor/PQLV219BX	2
②	Telephone line cord	1
③	Corded handset	1
④	Corded handset cord	1
⑤	Rechargeable batteries <sup>*1</sup> /HHR-65AAAB or N4DHYYY00003	2
⑥	Handset cover <sup>*2</sup>	1
⑦	Charger	1

\*1 See page 3 for replacement battery information.

\*2 The handset cover comes attached to the handset.



**Additional/replacement accessories**

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number
Rechargeable batteries	HHR-4MRT <sup>*1</sup>
	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for the handset
Battery back-up power supply	KX-TCA300BX – 3 x AAA (R03) size rechargeable batteries are required. – This unit provides back up power to the base unit in case of power failure.

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

## Introduction

### 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.
- Do not excessively pull the corded handset cord from the base unit. This may cause the base unit to fall, resulting in injury.

##### 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 2.40 GHz to 2.48 GHz, and the RF transmission power is 25 mW (max.).)
- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

#### CAUTION

##### Installation and location

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

## Introduction

### 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 charger to charge the batteries. Do not tamper with the 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:

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 cordless handset and base unit in an indoor environment.
  - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

#### Environment

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

## Introduction

- 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

### ■ Frequency range:

2.40 GHz to 2.48 GHz

### ■ RF transmission power:

25 mW (max.)

### ■ Power source:

100–240 V AC, 50/60 Hz

### ■ Power consumption:

#### Base unit:

Standby: Approx. 1.0 W

Maximum: Approx. 2.5 W

#### Charger:

Standby: Approx. 0.2 W

Maximum: Approx. 2.5 W

### ■ Operating conditions:

0 °C – 40 °C, 20 % – 80 % relative air humidity (dry)

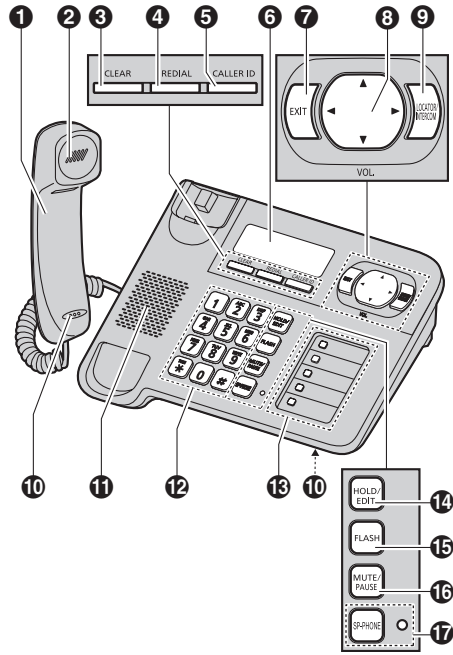
### Note:

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

**Preparation**

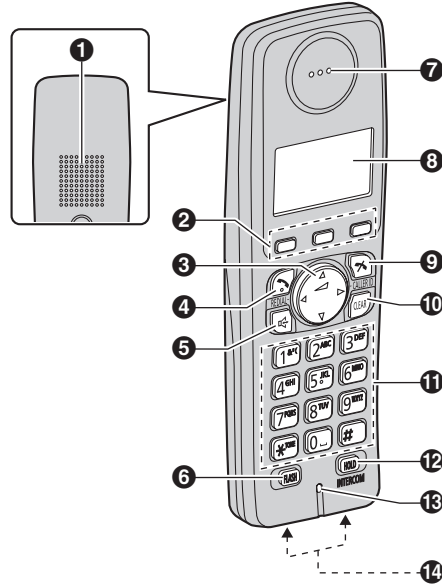
**Controls**

**Base unit**



- 1 Corded handset
- 2 Receiver
- 3 [CLEAR]
- 4 [REDIAL]
- 5 [CALLER ID]
- 6 Display
- 7 [EXIT]
- 8 Navigator key ([▲]/[▼]/[◀]/[▶])  
VOL. (Volume: [▲]/[▼])
- 9 [LOCATOR] [INTERCOM]
- 10 Microphone
- 11 Speaker
- 12 Dial keypad ([\*]: TONE)
- 13 One-Touch dial buttons
- 14 [HOLD] [EDIT]
- 15 [FLASH]
- 16 [MUTE] [PAUSE]
- 17 [SP-PHONE] (Speakerphone)  
SP-PHONE indicator

**Handset**

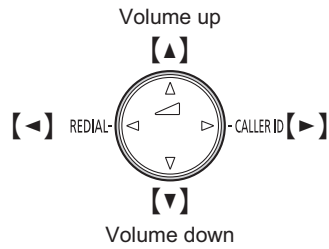


- 1 Speaker
- 2 Soft keys
- 3 Navigator key ([▲]/[▼]/[◀]/[▶])  
△ (Volume: [▲]/[▼])
- 4 [↶]
- 5 [☎] (Speakerphone)
- 6 [FLASH]
- 7 Receiver
- 8 Display
- 9 [✕]
- 10 [CLEAR]
- 11 Dial keypad ([\*]: TONE)
- 12 [HOLD] [INTERCOM]
- 13 Microphone
- 14 Charge contacts

## Preparation

### Using the navigator key

The handset navigator key can be used to navigate through menus and to select items shown on the display by pressing [▲], [▼], [◀], or [▶].  
**To adjust the receiver or speaker volume**, press [▲] to increase the volume, or press [▼] to decrease the volume repeatedly while talking.

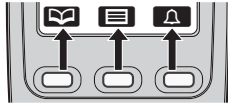


[◀] REDIAL: By pressing [◀], you can view the redial list.

[▶] CALLER ID: By pressing [▶], you can view the caller list.

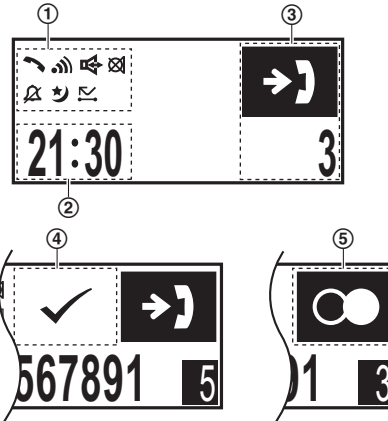
### Soft keys

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



## Display



### Base unit display items



No.	Item	Meaning
①		Line is in use. <ul style="list-style-type: none"> <li>• When flashing slowly: A call is put on hold.</li> <li>• When flashing rapidly: A call is being received.</li> </ul>
		Base unit is paging or is on an intercom call. <ul style="list-style-type: none"> <li>• When flashing slowly: Handset is in the programming mode.</li> <li>• When flashing rapidly: Base unit is being paged.</li> </ul>
		Base unit speakerphone is on.
		Mute is on.
		Base unit ringer volume (page 15) is off.
		Night mode is on (page 24).
		Privacy mode is on (page 22).
②	<b>Example:</b> 21:30	Time is displayed.

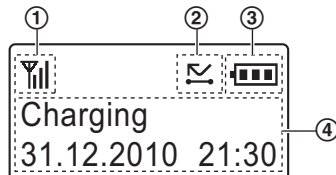





## Preparation

No.	Item	Meaning
③	 <b>Example:</b> 3	The number below shows the total number of receiving calls (viewed or answered). <sup>*1</sup> <ul style="list-style-type: none"> <li>When flashing slowly: The number below shows the number of missed calls (unviewed or unanswered).</li> </ul>
④	✓ <b>Example:</b> 5	Displayed when viewing the caller list. The entry has already been viewed or answered by the base unit or handset. The number at the bottom-right of the screen is the caller list number.
⑤	 <b>Example:</b> 3	Displayed when viewing the redial list. The number at the bottom-right of the screen is the redial list number.

\*1 Caller ID subscribers only

### Handset display items

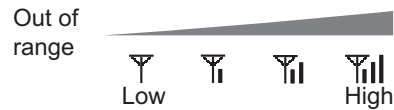


No.	Item	Meaning
①		The range status of base unit
②		Privacy mode is on (page 22).
③		Battery level



No.	Item	Meaning
④	<b>Example:</b> Charging 31.12.2010 21:30	In this field, date, month, year, phone number, or talk time is displayed depending on the set status.
	<b>Example:</b> Handset 1	Handset number

### The range status level










The status of the radio between the base unit and the handset is displayed on the handset (Out of range and level 0-3).



### Important:

- When  is not displayed, move closer to the base unit.
- We recommend you use the handset under the level 2 or 3.
- When you program features using the handset, ensure that  is displayed.
- When the handset is losing communication with the base unit during a conversation, the handset beeps.

### Soft key icons

Icon	Action
	Returns to the previous screen.
	Displays the menu.
	Accepts the current selection.
	Opens ringer setting menu.
	Opens the phonebook.
	Allows you to edit phonebook items. (page 19, 26)
	Accepts the current selection. Stores phone numbers. (page 23, 27)
	Inserts a dialing pause.
	Puts the call on mute.

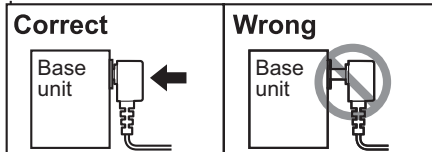
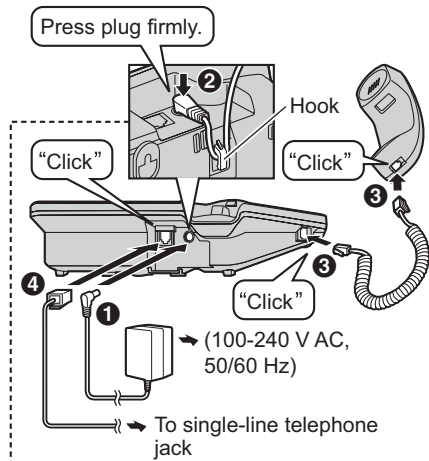
## Preparation

### Connections

Connect the AC adaptor cord (1) by pressing the plug firmly (2). Connect the handset cord to the corded handset and the base unit (3). Connect the telephone line cord until it clicks into the base unit and telephone line jack (4).

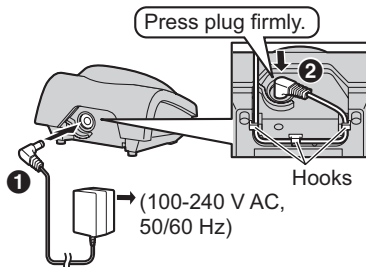
### Base unit

- Use only the supplied Panasonic AC adaptor PQLV219BX.



### Charger

- 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 base unit will work as a standard telephone using power from the telephone line and you can make or answer outside calls with the corded handset. You cannot use the base unit speakerphone and the handset.

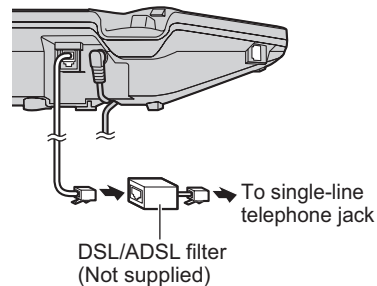
### Note:

- The base unit rings in "Tone 1" during a power failure, when a call is receiving.
- The handset of the extension number 1 will maintain the date and time until the batteries discharged. After the power is restored, the base unit will receive the date and time information from the handset.
- The handset will continue to search for the base unit and the battery power will be consumed faster than usual.

### 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.

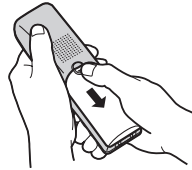


## Battery installation and replacement

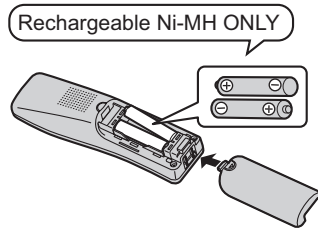
### Important:

- Use the supplied rechargeable batteries.
- When installing the batteries:
  - Wipe the battery ends (+, -) with a dry cloth.
  - Avoid touching the battery ends (+, -) or the unit contacts.
  - Ensure correct polarities (+, -).
- When replacing the batteries:
  - USE ONLY rechargeable Ni-MH batteries AAA (R03) size.
  - Do NOT use Alkaline/Manganese/Ni-Cd batteries.
  - We recommend using the Panasonic rechargeable batteries noted on page 3, 5.

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

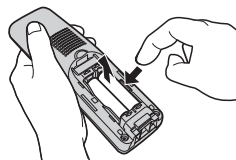


- 2 Insert the batteries negative (-) end first. Close the handset cover.



### Note:

- When replacing batteries, remove the old batteries.



## Battery charge

Place the handset on the charger for about 6 hours before initial use. Make sure the base unit AC adaptor cord is connected while charging the batteries.

- While charging, "Charging" is displayed. When the batteries are fully charged, "Charge completed" is displayed.
- When you install the batteries for the first time, set the date and time (page 12) to allow the handset to display charging status. If the battery level is too low to allow you to set the date and time, charge the batteries for a short time and try again.



### Note:

- If "missed call" is displayed on the handset while charging, there are missed calls in the caller list. After viewing all missed calls, "Charging" or "Charge completed" is displayed.
- It is normal for the handset to feel warm during charging.
- If you want to use the handset immediately, charge the batteries for at least 15 minutes.
- Clean the charge contacts of the handset 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.
- While charging the batteries, make sure the handset and charger are within range of the base unit (where  $\Psi$  is not displayed on the handset display).

## Preparation

### Battery level

Battery icon	Battery level
	High
	Medium
	Low • Needs to be charged.
	Empty

#### Note:

- The batteries need to be charged if:
  - “Recharge battery” or displays on the handset display.
  - the handset beeps intermittently while it is in use.

### Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	5 hours max.
Not in use (standby)	150 hours 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 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 charger and let it charge for at least 6 hours.

## Setting up the unit before use

### Symbol meaning:

Symbol	Meaning
	Perform with the base unit.
	Perform with the handset.
<b>Example:</b> [◀]/[▶]: “OFF”	Press [◀] or [▶] to select the words in quotations.
<b>Example:</b> [▼]/[▲]:	Press [▼] or [▲] to select the desired phone number or entry.

### 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.

#### Handset

- 1 → [##][0][7][9]
- 2 [◀]/[▶]: Select the desired setting.
- 3 → [✕]

### Date and time

#### Handset

- 1 → [##][0][0][1]
- 2 ① Enter the current date and month by selecting 2 digits for each.  
② Enter the current year by selecting 4 digits.  
**Example:** 8 December, 2010  
[0][8] [1][2] [2][0][1][0]
- 3 Enter the current hour and minute (24-hour clock format) by selecting 2 digits for each.  
**Example:** 21:30  
[2][1] [3][0]
- 4 → [✕]

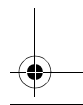
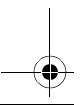
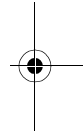
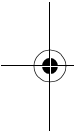
#### Note:

- To correct a digit, press [◀] or [▶] to move the cursor to the digit, then make the correction.
- The time shows on the base unit display.



***Preparation***

- The date and time may be incorrect after a power failure. In this case, set the date and time again.



## Making/Answering Calls

### Making calls

#### Using the base unit

- 1 Dial the phone number.
  - To correct a digit, press **[CLEAR]**.
- 2 Lift the corded handset.
- 3 When you finish talking, place the corded handset on the cradle.

#### Note:

- You can also dial the phone number after lifting the corded handset.

#### Using the speakerphone

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

#### Note:

- You can also dial the phone number after pressing **[SP-PHONE]**.
- For best performance, use the speakerphone in a quiet environment.
- To switch to the receiver, lift the corded handset.

#### Redialing the number without hanging up

Press **[REDIAL]** if the other party's line is busy.

#### Using the handset

- 1 Lift the handset and dial the phone number.
  - To correct a digit, press **[CLEAR]**.
- 2 **[↶]**
- 3 When you finish talking, press **[📞]** or place the handset on the charger.

#### Using the speakerphone

- 1 Dial the phone number, and press **[📞]**.
  - Speak alternately with the other party.
- 2 When you finish talking, press **[📞]**.

#### Note:

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

### Adjusting the receiver or speaker volume

#### Base unit / Handset

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 24 digits max.).

#### Base unit

- 1 **[REDIAL]**
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 Lift the corded handset.

#### Handset

- 1 **[↶] REDIAL**
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 **[↶]**

### Erasing a number in the redial list

#### Base unit

- 1 **[REDIAL]**
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 **[CLEAR]** → **[EXIT]**

#### Handset

- 1 **[↶] REDIAL**
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 **[CLEAR]** → **[\*]** → **[📞]**

### Storing a number to the phonebook

#### Handset

- 1 **[↶] REDIAL**
- 2 **[▼]/[▲]**: Select the desired phone number.  
→ **[📞]**
- 3 To store the name, continue from step 2, "Adding entries", page 18.


## Making/Answering Calls

### 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 19).

#### Base unit / Handset

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

- Proceed with the operation for your unit.  
**Base unit:** [9] → [PAUSE]  
**Handset:** [9] → **P**
- Dial the phone number.
- Proceed with the operation for your unit.  
**Base unit:** Lift the corded handset.  
**Handset:** [

#### Note:



- A 3.5 second pause is inserted each time [PAUSE] on the base unit or **P** on the handset is pressed. Repeat as needed to create longer pauses.


## Answering calls


### Using the base unit

- Lift the corded handset or press [SP-PHONE] when the unit rings.
- When you finish talking, place the corded handset on the cradle. When the speakerphone is used, press [SP-PHONE].



#### Adjusting the base unit ringer volume

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

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

-  is displayed.

#### Changing the base unit ringer tone






Press [] or [] repeatedly to select the desired ringer tone.

- To stop ringing, press [EXIT].


#### Note:

- If you select one of the melody ringer tones, the ringer tone will continue 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.



### Using the handset


- Lift the handset and press [] or [] when the unit rings.
  - You can also answer the call by pressing any dial key from [0] to [9], [], or [].  
(Any key answer feature)
- When you finish talking, press [] or place the handset on the charger.

#### Auto talk










You can answer calls simply by lifting the handset off the charger. You do not need to press []. To turn this feature on, see page 22.

#### Adjusting the handset ringer volume

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

"Step tone": The ringer volume increase by a level from low to high when a call is receiving. To turn the ringer off, press and hold [] until the handset beeps 2 times.

#### Changing the handset ringer tone

-  → [][0][5][4]
  - You can also program by pressing .
- []/[]: Select "Tone" or "Melody". → **OK**
- To select the desired tone, press [1] to [5]. To select the desired melody, press [1] to [4].
  - You can also select the setting by pressing [] or [].
-  → [

#### Note:

- The preset melodies in this product are used with permission of © 2006 Copyrights Vision Inc.
- If you select one of the melody ringer tones, the ringer tone will continue 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.

## Making/Answering Calls

### Temporary handset ringer off

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

## Useful features during a call


### Hold

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

#### Melody on hold

If "Hold melody" is turned on, the other party will hear the music during the hold. To turn this feature on/off, see page 22.

#### Base unit

- 1 Press **[HOLD]** during an outside call.
  -  flashes.
  - If using the corded handset, you can place it on the cradle, and the phone is still kept being on hold.
- 2 To release hold, press **[HOLD]**.
  - A handset user can take the call by pressing **[MUTE]**.

#### Note:

- You will hear "Hold melody" from the base unit speaker. Press **[▲]** or **[▼]** repeatedly to select the desired volume (off, high to low).
- After 10 minutes, the call will be disconnected. When the corded handset is off the cradle, the base unit beeps.

#### Handset

- 1 Press **[HOLD]**, then press **[MUTE]** during an outside call.
  - The **[HOLD]** key also functions as the **[INTERCOM]** key. When you press **[HOLD]**, the unit starts ringing to page the base unit. Press **[MUTE]** after **[HOLD]** to stop paging and put the call on hold.
- 2 To release hold, press **[MUTE]**.
  - The base unit user can take the call by lifting the corded handset or pressing **[SP-PHONE]**.


#### Note:

- The alarm tone will sound when you put the call on hold. After 10 minutes, the call will be disconnected.



### Mute

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

#### Base unit

- 1 Press **[MUTE]** during a conversation.
  -  is displayed.
- 2 To return to the conversation, press **[MUTE]** again.

#### Handset

- 1 Press  during a conversation.
- 2 To return to the conversation, press  again.

### Flash

#### Base unit / Handset

**[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 22.

### 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 after you hear the call waiting tone on the handset.

#### Base unit / Handset

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



## Making/Answering Calls

**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.).

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

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 the privacy mode on (page 22).
- When the other user uses the speakerphone, you cannot join the call.

 **Base unit**

To join the conversation, lift the corded handset when the other handset is on an outside call.

 **Handset**

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

**Note for handset and base unit:**

- You cannot join the call by pressing **[SPEAKERPHONE]** on the base unit or **[📞]** on the handset.

## Phonebook

### Handset phonebook

The handset phonebook allows you to make calls without having to dial manually. You can add 100 names and phone numbers to the handset phonebook, and assign each handset phonebook entry to the desired group.

#### Adding entries

- 1 →
- 2 Enter the party's name (16 characters max.).  
→
- 3 Enter the party's phone number (24 digits max.). →
- 4 Select the desired group by pressing [1] to [9].
  - You can also select the group by pressing [◀] or [▶].
- 5
  - To add other entries, repeat from step 2.
- 6 [✕]

#### Note:

- Caller ID subscribers can use group ringer tone feature (page 25).

#### Character table for entering names

While entering characters, you can switch between uppercase and lowercase by pressing [\*] (A→a).

Key	Character
[1]	Space # & ' ( ) * . - . / 1
[2]	A B C 2 a b c 2
[3]	D E F 3 d e f 3
[4]	G H I 4 g h i 4
[5]	J K L 5 j k l 5
[6]	M N O 6 m n o 6
[7]	P Q R S 7 p q r s 7

Key	Character
[8]	T U V 8 t u v 8
[9]	W X Y Z 9 w x y z 9
[0]	Space 0

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

#### Correcting a mistake

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

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

#### 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 the desired group (Example: 1: Friends, 2: Family, etc.) and then search for phonebook entries by group. The group ringer tone feature is available for Caller ID subscribers (page 25).

### Finding and calling a phonebook entry


#### Scrolling through all entries

- 1
- 2 [▼]/[▲]: Select the desired entry.
- 3 [↶]





#### Searching by first character

- 1 → [\*]
- 2 Press the dial key ([0] to [9]) which corresponds to the first character you are searching for (page 18).
- 3 Press [▼] repeatedly to display the desired entry.
  - If there is no entry corresponding to the character you selected, the next entry is displayed.
- 4 [↶]

**Searching by the group**

- 1  → [#]
- 2 Select the desired group by pressing [1] to [9].
- 3 [v]/[^]: Select the desired entry.
- 4 [↶]



**Editing entries**

- 1 Find the desired entry (page 18). → 
- 2 Edit the name if necessary (16 characters max.; see page 18). → 
- 3 Edit the phone number if necessary (24 digits max.). → 
- 4 Select the desired group by pressing [1] to [9]. →  → [↶]

**Erasing entries****Erasing an entry**


- 1 Find the desired entry (page 18).
- 2 [CLEAR] → [\*] → [↶]

**Erasing all entries**


- 1  → [#][1][4][4]
- 2  → [\*]

**Chain dial**

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

- 1 During an outside call, press .
- 2 [v]/[^]: Select the desired entry.
  - To search for the entry by first character, see page 18.
- 3 Press [↶] 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 15).
- If you have rotary/pulse service, you need to press [\*] (TONE) before pressing  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 18).

## One-Touch Dial

### One-Touch Dial

The base unit has 5 one-touch dial buttons. You can make calls without having to dial manually by pressing the buttons.

#### Base unit

#### Assigning a phone number to an one-touch dial button

##### Important:

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

- 1 Press and hold the one-touch dial button for 3 seconds.
- 2 Enter the phone number (24 digits max.).
- 3 Press the same button.

#### Making a call using the one-touch dial button

Lift the corded handset, then press the desired one-touch dial button.

OR

Press the desired one-touch dial button to use the speakerphone.

#### Canceling an one-touch dial assignment

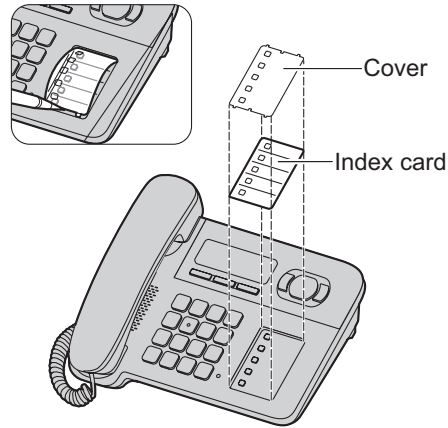
- 1 Press and hold the desired one-touch dial button for 3 seconds.
- 2 Press and hold **[CLEAR]** to erase all numbers.
- 3 Press the same button.

##### Note:

- If you can not erase the all numbers in step 2: Press **[←]** to flash the first number, then press and hold **[CLEAR]**.

#### Index card

Use the index card to record the names/phone numbers stored to the one-touch dial buttons.






## Programmable settings

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

To access the features, there are 2 methods:

- scrolling through the display menus (page 21)
- using the direct commands (page 22)
- Direct command is the main method used in these operating instructions.

### Programming by scrolling through the display menus

- 1 
- 2 Press [**▼**] or [**▲**] to select the desired main menu. → **OK**
- 3 Press [**▼**] or [**▲**] to select the desired item in sub-menu. → **OK** or 
- 4 Press [**◀**] or [**▶**] to select the desired setting. → 
  - This step may vary depending on the feature being programmed.
  - To exit the operation, press [**✕**].

**Note:**



- See page 22 for the default settings.

Main menu	Sub-menu	Page
Initial setting	Date and time	12
	Dial mode	12
	Privacy	–
	Time adjust	–
Ringer settings	Ringer (Handset ringer tone)	15
	Ring group	25
Ph.book settings	Copy phonebook*1	–
Caller ID	Indiv. call (Indiv.: Individual)	23
Handset settings	Auto talk	15
	Key tone	–
	Registration	33
	Erase phonebook	19
Other settings	Night mode	24
	Hold melody	16
	Flash time	16
	Voice paging	28
Display all menu	All above sub-menus are displayed by pressing [ <b>▼</b> ] or [ <b>▲</b> ].	–

\*1 Although the handset displays this item, this feature is not available for this model.

## Programming

### Programming using the direct commands

- 1  → [\*\*]
- 2 Enter the desired feature code.
- 3 Press [←] or [→] to select the desired setting. → 
  - This step may vary depending on the feature being programmed.
  - To exit the operation, press [✖].

#### Note:

- In the following table, < > indicates the default settings.

Feature	Feature code	Setting	Page
Date and time	[0][0][1]	–	12
Dial mode	[0][7][9]	Pulse, <Tone>	12
Privacy	[1][9][4]	On, <Off>	–
Time adjust <sup>*1</sup> (Caller ID subscribers only)	[2][2][6]	On, <Off>	–
Ringer (Handset ringer tone)	[0][5][4]	Tone: <1>–5 Melody: 1–4	15
Ring group (Handset)	[1][3][5]	–	25
Indiv. call (Indiv.: Individual)	[1][3][6]	On, <Off>	23
Auto talk <sup>*2</sup>	[0][0][9]	On, <Off>	15
Key tone <sup>*3</sup> (Handset)	[0][5][8]	<On>, Off	–
Registration	[1][2][3]	–	33
Erase phonebook	[1][4][4]	–	19
Night mode	[1][1][7]	On, <Off>	24
Hold melody	[0][7][1]	<On>, Off	16
Flash time <sup>*4</sup>	[0][7][2]	<700ms>, 600ms, 400ms, 300ms, 250ms, 110ms, 100ms, 90ms	16
Voice paging	[0][6][6]	On, <Off>	28

\*1 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.

\*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 Turn this feature off if you prefer not to hear key tones while you are dialing or pressing any keys.

\*4 The flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.

## Special instructions for programmable settings

### Setting the selective ring/call block for specified phone number (individual call setting) (Caller ID subscribers only)

This feature allows you to select which unit rings (Selective ring) or reject calls (Call block) for specified phone numbers. You can store up to 10 phone numbers using the caller list or by entering the numbers directly.

The following settings are available:

- "Call=Base" or "Call=HS1" (Selective ring): You can select which unit rings when the unit receives a call from a designated caller. Only the selected base unit or handset rings and only its user can answer the call.
- "Call block": The unit rejects calls that you do not want to answer such as junk calls. The base unit and handset do not ring when the unit receives a call from a designated caller.

#### Important:

- **For call waiting service users:**

When you receive a call while on the call, this feature does not work.

#### Note:

- Depending on your service provider/telephone company or PBX system, the base unit and handset may both ring for a short time while identifying a caller.
- The rejected call is logged as a missed call in the caller list.
- The rejected caller is charged for the call.

#### Storing desired callers from the caller list

- 1 [▶] CALLER ID
- 2 [▼]/[▲]: Select the desired entry. →
- 3 Press [≡] to select "Indiv. call".
- 4 Edit the phone number if necessary (from 5 digits to 22 digits).
  - The vacant entry number is selected automatically.
- 5
- 6 [◀]/[▶]: Select the desired setting.

- 7 → [✕]

#### Storing desired callers by entering phone number

- 1 → [≡][1][3][6]
- 2 [◀]/[▶]: "On" →
- 3 [▼]/[▲]: Select the vacant entry number.
- 4 Enter the phone number (from 5 digits to 22 digits). →
- 5 [◀]/[▶]: Select the desired setting.
- 6
  - To add other entries, repeat from step 3.
- 7 [✕]

#### Editing an entry

- 1 → [≡][1][3][6]
- 2 [◀]/[▶]: "On" →
- 3 [▼]/[▲]: Select the desired entry.
- 4 Edit the phone number (from 5 digits to 22 digits). →
- 5 [◀]/[▶]: Select the desired setting.
- 6 → [✕]

#### Erasing an entry

- 1 → [≡][1][3][6]
- 2 [◀]/[▶]: "On" →
- 3 [▼]/[▲]: Select the desired entry.
- 4 Press and hold [CLEAR] to delete the number.
- 5 → [✕]

#### Turning the individual call setting mode (the selective ring/call block) off

- 1 → [≡][1][3][6]
- 2 [◀]/[▶]: "Off"
- 3 → [✕]


## Programming

### Night mode

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


#### Important:

- Set the date and time beforehand (page 12).
- When the night mode is activated, the base unit does not sound the confirmation tones and error tones.
- The ringer tone for intercom calls is heard.
- When the date and time are incorrect, the night mode is activated incorrectly.



1  → [#][1][1][7]

2 [←]/[→]: Select “on” or “off”.


3 

- If you select “off”, press [].

4 Enter the desired hour and minute you wish to start and end this feature.

5  → []

#### Note:

- To correct a digit, press [←] or [→] to move the cursor to the digit, then make the correction.
- When the night mode is turned on,  is displayed on the base unit.



## Caller ID Service

### Using Caller ID service

#### Important:

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

### Caller ID features

#### Base unit / Handset

When an outside call is being received, the caller's phone number is displayed.

Caller information for the last 30 callers is logged in the caller list from the most recent call to the oldest.

- If the unit cannot receive caller information, the following will be displayed:
  - **“Out of area”**: The caller dials from an area which does not provide Caller ID service.
  - **“Private caller”**: The caller requests not to send caller information.


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

- If you do not subscribe to Caller ID service, **“Incoming call”** is displayed while a call is being received on the handset display.
- If the unit is connected to a PBX system, caller information may not be received properly. 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

#### Base unit / Handset

If a call is not answered, the unit treats the call as a missed call:

- the number of missed calls is shown on the display.
-  flashes slowly on the base unit display.

This lets you know if you should view the caller list to see who called while you were away.

- If the missed calls have already been viewed by the base unit or handsets, the missed call indication is cleared on the all units.

### Phonebook name display

#### Handset

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 handset 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 18). 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 **“Default”**, the handset uses the ringer tone you selected on page 15 when a call from this group is received.

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

#### Handset

- 1  → **[\*][1][3][5]**
- 2 Press **[1]** to **[9]** to select the desired group.
  - You can also select the desired group by pressing **[<]** or **[>]**.
- 3 **OK**
- 4 **[<]/[>]**: Select the desired setting.
- 5 **OK**
  - If you selected **“Default”**, press **[\*]**.
- 6 To select the desired tone, press **[1]** to **[5]**. To select the desired melody, press **[1]** to **[4]**.
  - You can also select the desired setting by pressing **[<]** or **[>]**.
- 7  → **[\*]**

## Caller ID Service

### 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 12).

### Viewing the caller list and calling back

#### Base unit

- 1 **[CALLER ID]**
- 2 Press **[▼]** to search from the most recent call, or **[▲]** to search from the oldest call.
- 3 To call back, lift the corded handset. To exit, press **[EXIT]**.

#### Note:

- The phone number is only displayed up to the last 12 digits. Press **[EDIT]** and **[▶]** to see the remaining numbers. To return to the previous display, press **[EXIT]**.

#### Handset

- 1 **[▶] CALLER ID**
- 2 Press **[▼]** to search from the most recent call, or press **[▲]** to search from the oldest call.
- 3 To call back, press **[↶]**. To exit, press **[↷]**.

#### Note:

- When scrolling from the most recent caller information to the oldest in the caller list, or vice versa, confirmation tones sound.
- The phone number is only displayed up to the last 16 digits. To see the remaining numbers, press **[↶]**. To return to the previous display, press **[↷]**.

#### Note for handset and base unit:

- If the entry has already been viewed or answered, "✓" is displayed, even if it was viewed or answered using another unit.

### Editing a caller's phone number before calling back

You can edit a phone number in the caller list.

#### Base unit

- 1 **[CALLER ID]**
- 2 **[▼]/[▲]**: Select the desired entry. → **[EDIT]**
- 3 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]**.
- 4 Lift the corded handset.

#### Handset

- 1 **[▶] CALLER ID**
- 2 **[▼]/[▲]**: Select the desired entry. → **[↶]**
- 3 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]**.
- 4 **[↶]**

#### Note for handset and base unit:

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

### Erasing selected caller information

#### Base unit

- 1 **[CALLER ID]**
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[CLEAR]** → **[EXIT]**

#### Handset

- 1 **[▶] CALLER ID**
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[CLEAR]** → **[\*]** → **[↷]**

### Erasing all caller information

#### Base unit





- 1 Press and hold **[CALLER ID]** for 3 seconds until **[↶]** flashes rapidly.
- 2 **[CLEAR]**

#### Handset

- 1 **[▶] CALLER ID**
- 2 **[CLEAR]** → **[\*]**

### Storing caller information into the phonebook

#### Handset

- 1 [▶] CALLER ID
- 2 [▼]/[▲]: Select the desired entry. → 
- 3 Press [\*] to select "Phonebook".
- 4 Enter the name if necessary. → 
- 5 Edit the phone number if necessary. → 
- 6 Select the desired group, press [1] to [9].
  - You can also select the group by pressing [◀] or [▶].
- 7  → [7x]

## Intercom/Locator

### Intercom

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

#### Note:

- If you receive an outside call while talking on the intercom, you hear ringer tones.

**Base unit:** Selected ringer tone for outside call (page 15)

**Handset:** "Tone 1" (page 15)

#### To answer the call

##### Base unit:

- If you use the corded handset, place the corded handset on the cradle, then lift the corded handset.
- If you use the speakerphone, press **[SP-PHONE]** 2 times.

##### Handset:

- Press **[↶]**, then press **[↷]**.

### Making an intercom call

#### Base unit

- 1 **[INTERCOM]**
  - Lift the corded handset if needed.
  - To stop paging, press **[INTERCOM]**.
  - If voice paging is turned on (page 28), speak into the microphone after the 2 rings.
- 2 When you finish talking, press **[INTERCOM]** or place the corded handset on the cradle.

#### Handset

- 1 **[INTERCOM]**
  - To stop paging, press **[↶]**.
  - If voice paging is turned on (page 28), speak into the microphone after the 2 rings.
- 2 When you finish talking, press **[↶]**.

#### Note:

- During an intercom call, you cannot switch to the speakerphone.

### Voice paging

If this feature is turned on and when you make an intercom call, speak into the microphone after the 2 rings. Your voice announcement is heard through the other party's speaker. The default setting is "OFF".

#### Handset

- 1 **[☰]** → **[#][0][6][6]**
- 2 **[<]/[>]**: Select the desired setting.
- 3 **[☑]** → **[↶]**

### Answering an intercom call

#### Base unit

- 1 Lift the corded handset or press **[INTERCOM]** to answer the page.
- 2 When you finish talking, place the corded handset on the cradle or press **[INTERCOM]**.

#### Handset

- 1 Press **[↷]** to answer the page.
  - Even if you press **[☑]** to answer the page, the speakerphone mode is not available.
- 2 When you finish talking, press **[↶]**.

#### Note for handset and base unit:

- When the ringer volume for outside calls is set to off (page 15), the handset and/or base unit rings at a low level for intercom calls.

### Transferring calls, conference calls

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

#### Base unit

- 1 During an outside call, press **[INTERCOM]** to put the call on hold.
  - If voice paging is turned on (page 28), speak into the microphone after the 2 rings.
- 2 Wait for the paged party to answer.
  - If the paged party does not answer, press **[INTERCOM]** to return to the outside call.

## Intercom/Locator

### 3 Proceed with the desired operation.

#### ■ To complete the transfer:

Press **[SP-PHONE]** or place the corded handset on the cradle.

- The outside call is being routed to the handset.

#### ■ To establish a conference call:

Press **[HOLD]**.

- To leave the conference, place the corded handset on the cradle. The other parties can continue the conversation.
- To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[HOLD]** again.
- You can cancel the conference call by pressing **[INTERCOM]** to continue the outside call.

#### Note:

- While you use the speakerphone, you cannot make a conference call.

#### Handset

### 1 During an outside call, press **[INTERCOM]** to put the call on hold.

- If voice paging is turned on (page 28), speak into the microphone after the 2 rings.

### 2 Wait for the paged party to answer.

- If the paged party does not answer, press **[↶]** to return to the outside call.

### 3 Proceed with the desired operation.

#### ■ To complete the transfer:

Press **[↶]**.

- The outside call is being routed to the destination unit.

#### ■ To establish a conference call:

Press **[INTERCOM]**.

- To leave the conference, press **[↶]**. The other parties can continue the conversation.
- To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[HOLD]** again.
- You can cancel the conference call by pressing **[↶]** to continue the outside call.

### Answering a transferred call

#### Base unit

Lift the corded handset or press **[INTERCOM]** to answer the page.

#### Handset

Press **[↶]** to answer the page.

#### Note for handset and base unit:

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

## Handset locator

You can locate a misplaced handset by paging it.

### 1 Base unit:

Press **[LOCATOR]**.

### 2 To stop paging:

**Base unit:** Press **[LOCATOR]**.

**Handset:** Press **[↶]**, then press **[↷]**.

#### Note:

- When the ringer volume for outside calls is set to off (page 15), the handset rings at a low level for paging.

## Useful Information

### Error messages

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

Display message	Cause/solution
Already stored	<ul style="list-style-type: none"> <li>• The phone number has already been stored.</li> </ul>
Busy	<ul style="list-style-type: none"> <li>• The called unit is in use.</li> <li>• Other units are in use and the system is busy. Try again later.</li> </ul>
Memory full	<ul style="list-style-type: none"> <li>• The phonebook memory is full. Erase unnecessary entries (page 19).</li> <li>• There is no space to store new entries in the individual call list.</li> </ul>
No items stored	<ul style="list-style-type: none"> <li>• Your phonebook is empty.</li> <li>• The selected group does not have entries.</li> </ul>
No link to base	<ul style="list-style-type: none"> <li>• The handset has lost communication with the base unit. Move closer to the base unit and try again.</li> <li>• Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.</li> <li>• The handset's registration may have been canceled. Re-register the handset (page 33).</li> </ul>
Register failed	<ul style="list-style-type: none"> <li>• Move closer to the base unit, and try again.</li> </ul>
Use rechargeable battery.	<ul style="list-style-type: none"> <li>• A wrong type of batteries such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 3.</li> </ul>



**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"> <li>• Make sure the batteries are installed correctly (page 11).</li> <li>• Fully charge the batteries (page 11).</li> <li>• Check the connections (page 10).</li> <li>• Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.</li> <li>• The handset is not registered to the base unit. Register it (page 33).</li> </ul>
I cannot hear a dial tone.	<ul style="list-style-type: none"> <li>• The base unit's AC adaptor or telephone line cord is not connected. Check the connections.</li> <li>• 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.</li> </ul>
☒ is not displayed.	<ul style="list-style-type: none"> <li>• The handset has lost communication with the base unit. Move closer to the base unit, and try again.</li> <li>• Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.</li> <li>• The handset is not registered to the base unit. Register it (page 33).</li> </ul>
The base unit beeps when I press any button or lift the corded handset.	<ul style="list-style-type: none"> <li>• The handset is in use. Try again later.</li> <li>• You cannot join the call when the handset is in speakerphone mode.</li> <li>• You cannot make a conference call while you use the speakerphone.</li> <li>• When privacy mode is on, you cannot join an existing outside call.</li> </ul>

**Battery recharge**

Problem	Cause/solution
"Recharge battery" is displayed,  flashes or the handset beeps intermittently.	<ul style="list-style-type: none"> <li>• Battery charge is low. Fully charge the batteries (page 11).</li> </ul>
I fully charged the batteries, but <ul style="list-style-type: none"> <li>– "Recharge battery" and/or  is still displayed or</li> <li>– the operating time seems to be shorter.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean the battery ends (<math>\oplus</math>, <math>\ominus</math>) and the charge contacts with a dry cloth, and charge again.</li> <li>• It is time to replace the batteries (page 11).</li> </ul>

## Useful Information

### Making/answering calls, intercom

Problem	Cause/solution
Noise is heard, sound cuts in and out.	<ul style="list-style-type: none"> <li>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.</li> <li>Move closer to the base unit.</li> <li>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.</li> </ul>
The handset and/or base unit does not ring.	<ul style="list-style-type: none"> <li>The ringer volume is turned off. Adjust the ringer volume (page 15).</li> <li>Night mode is turned on. Turn it off (page 24).</li> </ul>
I cannot make a call.	<ul style="list-style-type: none"> <li>The dialing mode may be set incorrectly. Change the setting (page 12).</li> <li>The handset is too far from the base unit. Move closer and try again.</li> </ul>
I cannot make a voice announcement.	<ul style="list-style-type: none"> <li>The other unit is in use. Try again later.</li> </ul>

### Caller ID

Problem	Cause/solution
Caller information is not displayed.	<ul style="list-style-type: none"> <li>You must subscribe to Caller ID service. Contact your service provider/telephone company for details.</li> <li>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.</li> <li>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.</li> <li>Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.</li> </ul>
Caller information is displayed late.	<ul style="list-style-type: none"> <li>Depending on your service provider/telephone company, the unit may display the caller's information at 2nd ring or later.</li> <li>Move closer to the base unit.</li> </ul>
Time on the unit has shifted.	<ul style="list-style-type: none"> <li>Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to "0££" (page 22).</li> </ul>
When you view the entry in the caller list, the date and time are displayed incorrectly.	<ul style="list-style-type: none"> <li>The date and time may be set incorrectly or the power failure may have occurred. Set the date and time again (page 12).</li> </ul>



## 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"> <li>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.</li> </ul>


#### Caution:

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

### 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, register the handset.

#### 1 Base unit:


Press and hold **[LOCATOR]** for about 5 seconds until  flashes.

- If the registered handset starts ringing, press the same button to stop. Then repeat this step.
- The next step must be completed within 3 minutes.

#### 2 Handset:

 → **[\*][1][2][3]** → **OK**

#### 3 Press **[2]** to select "Register HS".


- A long beep sounds from the handset.
-  disappears from the base unit.

### Deregistering a handset

A handset can cancel its own registration that is stored in the base unit. This allows the handset to end its wireless connection with the system.

#### Important:

- If you do not use the handset after canceling registration, remove the batteries.
- If you cancel the handset registration of the extension number 1, the date and time are not backed up during a power failure.

**1**  → **[\*][1][2][3]** → **OK**

**2** Press **[1]** to select "Cancel HS".

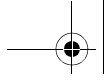
**3** Select the handset you want to cancel by pressing the desired handset number.

**4** Remove the batteries from the deregistered handset.

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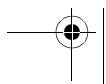
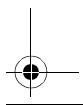
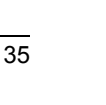
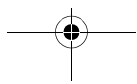
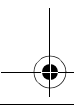
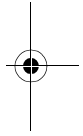
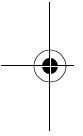
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## Notes





**For your future reference**

We recommend keeping a record of the following information to assist with any repair under warranty.

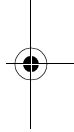
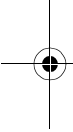
Serial No.

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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