

Panasonic[®]

Operating Instructions
Digital Cordless Answering System
Model No. **KX-TG6541BX**
KX-TG6542BX



Model shown is KX-TG6541.

Before initial use, see “Getting Started” on page 8.

Thank you for purchasing a Panasonic product.
Please read these operating instructions before using the unit and save them for future reference.
This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

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

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Introduction

Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TG6541 series	KX-TG6541	KX-TG6541	KX-TGA652	1
	KX-TG6542	KX-TG6541	KX-TGA652	2

- The suffix (BX) in the following model numbers will be omitted in these instructions:
KX-TG6541BX/KX-TG6542BX

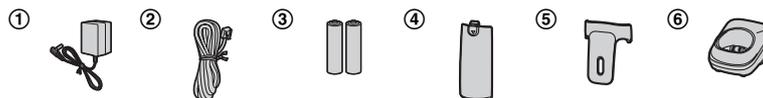
Accessory information

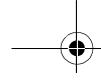
Supplied accessories

No.	Accessory item/Part number	Quantity	
		KX-TG6541	KX-TG6542
①	AC adaptor/PQLV219BX	1	2
②	Telephone line cord	1	1
③	Rechargeable batteries ^{*1}	2	4
④	Handset cover ^{*2}	1	2
⑤	Belt clip	1	2
⑥	Charger	–	1

*1 See page 4 for replacement battery information.

*2 The handset cover comes attached to the handset.





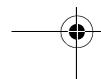
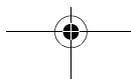
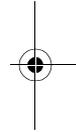
Introduction

Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Order number
Rechargeable batteries	HHR-4MRT ^{*1}
	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset
Headset	KX-TCA94EX, RP-TCA400, RP-TCA430

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



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 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.
- This product is unable to make calls when:
 - the handset batteries need recharging or have failed.
 - there is a power failure.

Important Information

Battery

- We recommend using the batteries noted on page 4. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
 - at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
 - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
 - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

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

Important Information

- 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
- **RF transmission power:**
115 mW (max.)
- **Power source:**
100-240 V AC, 50/60 Hz
- **Power consumption:**
Base unit:
Standby: Approx. 1.1 W
Maximum: Approx. 4.4 W
Charger:
Standby: Approx. 0.1 W
Maximum: Approx. 2.6 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.
- The range of the handset under maximum conditions is 60 metres indoors and 300 metres outdoors. Please note it will probably be shortened when near concrete barriers, etc.

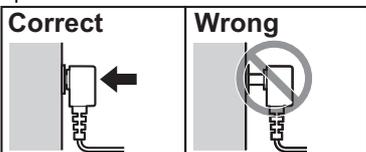
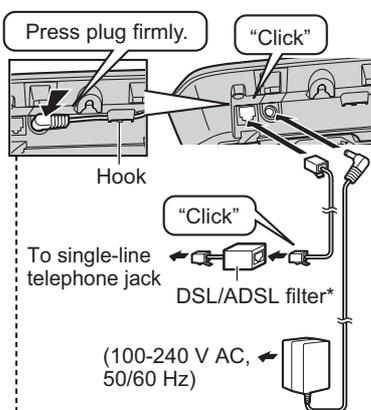
Getting Started

Setting up

Connections

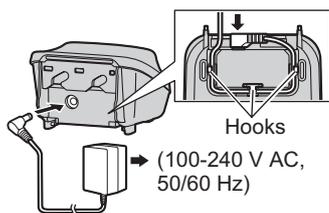
- Use only the supplied Panasonic AC adaptor PQLV219BX.

■ Base unit



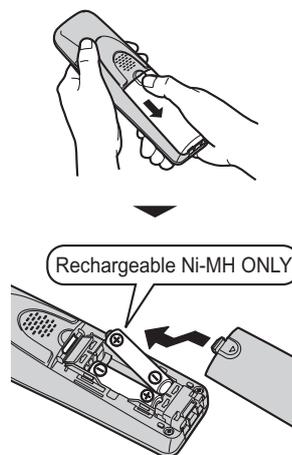
*DSL/ADSL filter (not supplied) is required if you have DSL/ADSL service.

■ Charger



Battery installation

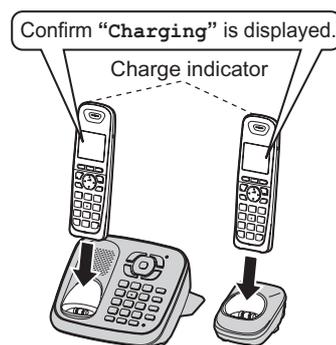
- USE ONLY Ni-MH batteries AAA (R03) size.
- Do NOT use Alkaline/Manganese/Ni-Cd batteries.
- Confirm correct polarities (+, -).



Battery charge

Charge for about 7 hours.

- When the batteries are fully charged, the charge indicator goes off and "Fully charged" is displayed.



Getting Started

Note when setting up

Note for connections

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a 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.

Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 6.
- Wipe the battery ends (⊕, ⊖) with a dry cloth.
- Avoid touching the battery ends (⊕, ⊖) or the unit contacts.

Note for battery charge

- 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.
	Empty

Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	13 hours max.* ¹
Not in use (standby)	11 days max.* ¹

*1 If Eco mode is on.

Note:

- Actual battery performance depends on usage and ambient environment.
- 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.

Intelligent eco mode

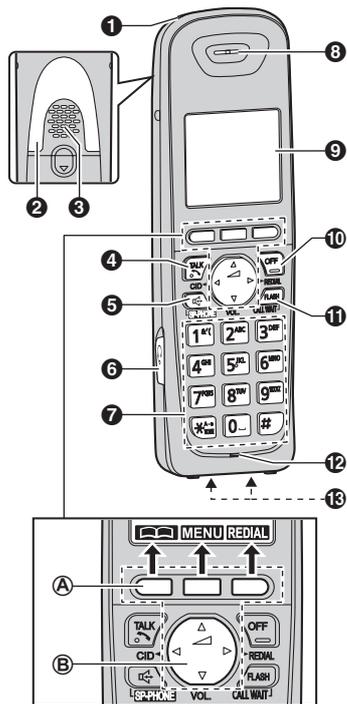
This feature automatically reduces handset power consumption by suppressing handset transmission power when the handset is close to the base unit.

- When this feature is activated, **ECO** is displayed.
- Eco mode is turned off when the clarity booster is activated (page 16).

Getting Started

Controls

Handset



- 1** Charge indicator
Ringer indicator
Message indicator
- 2** Secure grip
 - Secure grip offers support when you cradle the handset between your shoulder and ear.
- 3** Speaker
- 4** [TALK]
- 5** [SP-PHONE: Speakerphone]
- 6** Headset jack
- 7** Dial keypad
[*] (TONE)

- 8** Receiver
- 9** Display
- 10** [OFF]
- 11** [FLASH] [CALL WAIT]
- 12** Microphone
- 13** Charge contacts

Control type

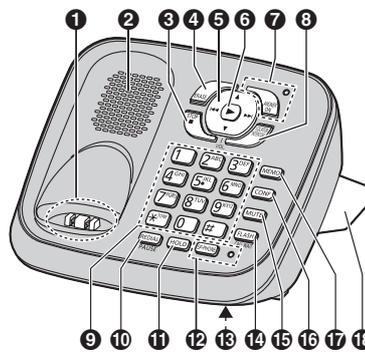
A Soft keys

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

B Navigator key

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

Base unit

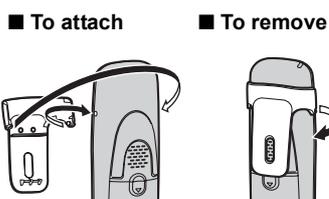


Getting Started

- 1 Charge contacts
- 2 Speaker
- 3 [■] (STOP)
- 4 [ERASE]
- 5 [▲]/[▼] (VOL.: Volume up/down)
[◀◀]/[▶▶] (Repeat/Skip)
- 6 [▶] (Play)
Message indicator
- 7 [ANSWER ON]
ANSWER ON indicator
- 8 [LOCATOR] [INTERCOM]
- 9 Dial keypad
[*] (TONE)
- 10 [REDIAL] [PAUSE]
- 11 [HOLD]
- 12 [SP-PHONE] (Speakerphone)
SP-PHONE indicator
- 13 Microphone
- 14 [FLASH] [CALL WAIT]
- 15 [MUTE]
- 16 [CONF] (Conference)
- 17 [MEMO]
- 18 Bracket*1

*1 The base unit has an unremovable bracket for desk or wall mounting. To mount on a wall, see page 42.

Belt clip



Display

Handset display items

Item	Meaning
⌵	Within base unit range
⌴	Out of base unit range
☎	The line is in use. <ul style="list-style-type: none"> • When flashing: The call is put on hold. • When flashing rapidly: An incoming call is now being received.
ECO	Eco mode is on. (page 9)
📞	Speakerphone is on. (page 13)
🔇	Ringer volume is off. (page 24)
🌙	Night mode is on. (page 25)
PRIV	Privacy mode is on. (page 16)
🕒	Alarm is on. (page 25)
1	Handset number
🔋	Battery level
🚫	Blocked call (page 26)
BOOST	Clarity booster is on. (page 16)
In use	Answering system is being used by: <ul style="list-style-type: none"> – the base unit – another handset.*1
Line in use	Someone is using the line.

*1 KX-TG6542

Getting Started

Initial settings

Symbol meaning:

Example: [▼]/[▲]: "off"

Press [▼] or [▲] to select the words in quotations.

Dialing mode

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

"Tone": For tone dial service.

"Pulse": For rotary/pulse dial service.

- 1 [MENU] → [#][1][2][0]
- 2 [▼]/[▲]: Select the desired setting.
- 3 [SAVE] → [OFF]

Date and time

- 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 [OK]
- 4 Enter the current hour and minute (24-hour clock format) by selecting 2 digits for each.
Example: 21:30
[2][1] [3][0]
- 5 [SAVE] → [OFF]

Note:

- To correct a digit, 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.

Making/Answering Calls

Making calls

Using the handset

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

Using the speakerphone

- 1 Dial the phone number and press **[⇐]**.
 - 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 back to the receiver, press **[↶]**.

Adjusting the receiver or speaker volume

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

Making a call using the redial list

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

- 1 **[REDIAL]** or **[▶]** REDIAL
 - If there is a new message in the voice mail or answering system, **[REDIAL]** is not displayed.
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 **[↶]**

Erasing a number in the redial list

- 1 **[REDIAL]** or **[▶]** REDIAL
- 2 **[▼]/[▲]**: Select the desired phone number. → **[ERASE]**
- 3 **[▼]/[▲]**: "Yes" → **[SELECT]**
- 4 **[OFF]**

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).

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

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

Note:

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

Using the base unit

- 1 **[SP-PHONE]**
- 2 Dial the phone number.
- 3 When the other party answers, speak into the microphone.
 - 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 **[↶]** on the handset, then press **[SP-PHONE]** on the base

Making/Answering Calls

unit with the privacy mode off (page 16).

- If the handset is on the base unit, simply lift it.

Adjusting the speaker volume

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

Redialing the last number dialed

[**SP-PHONE**] → [**REDIAL**]

Answering calls

Using the handset

When a call is being received, the ringer indicator flashes rapidly.

- 1 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**)
- 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 23.

Adjusting the handset ringer volume

Press [**▲**] or [**▼**] repeatedly to select the desired volume while the handset is ringing for an incoming call.

Note:

- You can also program the handset ringer volume beforehand (page 22).

Temporary handset ringer off

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

Adjusting the base unit ringer volume

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

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

Note:

- Even when the ringer volume is set to off, the base unit still rings for intercom calls (page 40).

Using the base unit

When a call is being received, the SP-PHONE indicator flashes rapidly.

- 1 Press [**SP-PHONE**] when the unit rings.
- 2 Speak into the microphone.
- 3 When you finish talking, press [**SP-PHONE**].

Useful features during a call

Hold

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

Handset

- 1 Press [**MENU**] during an outside call.
- 2 [**▼**]/[**▲**]: "Hold" → [**SELECT**]
- 3 To release hold, press [**↶**].

Making/Answering Calls

- Another handset user can take the call by pressing [**↶**]. (KX-TG6542)
- The base unit user can take the call by pressing [**SP-PHONE**].

Base unit

- 1 Press [**HOLD**] during an outside call.
- 2 To release hold, press [**SP-PHONE**].
 - A handset user can take the call by pressing [**↶**].

Note for handset and base unit:

- If a call is kept on hold for more than 9 minutes, an alarm tone starts to sound and the ringer indicator on the handset flashes rapidly. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line (page 9), you can also take the call by lifting its handset.
- While an outside call is on hold, the SP-PHONE indicator on the base unit flashes.

Mute

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

Handset

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

Note:

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

Base unit

- 1 Press [**MUTE**] during conversation.

- The SP-PHONE indicator on the base unit flashes.

- 2 To return to the conversation, press [**MUTE**] again.

Flash

[**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 23.

For call waiting or Call Waiting Caller ID service users

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

- 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,

Making/Answering Calls

answering services, telephone banking services, etc.). Press **[*]** (TONE) before entering access numbers which require tone dialing.

- When the privacy mode is turned on, **PRIV** is displayed during an outside call.

Handset clarity booster

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

- When this feature is turned on, **BOOST** is displayed.

Call share

This feature allows you to join an existing outside call.

Important:

- When the privacy mode is on, you cannot join the conversation. Turn it off.

Handset

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

Base unit

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

Privacy mode

When the privacy mode is “On”, the unit prevents other users from joining your conversations with outside callers. To allow other users to join your conversations (call share), leave this feature off. The default setting is “Off”.

- 1 **[MENU]** → **[#][1][9][4]**
- 2 **[▼]/[▲]**: Select “On” or “Off”.
- 3 **[SAVE]** → **[OFF]**

Phonebook

Phonebook

The phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers to the phonebook, and assign each phonebook entry to the desired group.

Important:

- If you add entries on one handset, the entries can be shared on all handsets. Only 1 person can access the phonebook at a time. (KX-TG6542)
- Caller ID subscribers can use group ringer tone features (page 29).

Adding entries

- 1 **[📖] → [ADD]**
- 2 Enter the party's name (16 characters max.). → **[OK]**
- 3 Enter the party's phone number (24 digits max.). → **[OK]**
- 4 **[▼]/[▲]**: Select the desired group. → **[SELECT]** 2 times
 - To add other entries, repeat from step 2.
- 5 **[OFF]**

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

Key	Character
[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
[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.
- If you do not press any dial key within 5 seconds after entering a character, the character is fixed and the cursor moves 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 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 29).

Phonebook

Changing group names

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

- 1 **[MENU]** → **[MENU]**
- 2 **[v]/[▲]**: "Group" → **[SELECT]**
- 3 **[v]/[▲]**: Select the desired group. → **[SELECT]**
- 4 **[v]/[▲]**: "Group name" → **[SELECT]**
- 5 Edit the name (10 characters max.; page 17). → **[SAVE]**
- 6 **[OFF]**

Finding and calling a phonebook entry

Scrolling through all entries

- 1 **[MENU]**
- 2 **[v]/[▲]**: Select the desired entry.
- 3 **[↶]**

Searching by first character

- 1 **[MENU]**
- 2 Press the dial key (**[0] – [9]** or **[#]**) which contains the character you are searching for (page 17).
 - 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 **[v]/[▲]**: Scroll through the phonebook if necessary.
- 4 **[↶]**

Searching by group

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

Editing entries

- 1 Find the desired entry (page 18). → **[EDIT]**
- 2 Edit the name if necessary (16 characters max.; page 17). → **[OK]**
- 3 Edit the phone number if necessary (24 digits max.). → **[OK]**
- 4 **[v]/[▲]**: Select the desired group (page 17). → **[SELECT]**
- 5 **[SELECT]** → **[OFF]**

Erasing entries

Erasing an entry

- 1 Find the desired entry (page 18).
- 2 **[ERASE]**
- 3 **[v]/[▲]**: "Yes" → **[SELECT]** → **[OFF]**

Erasing all entries

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

Chain dial

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

- 1** During an outside call, press **[MENU]**.
- 2** **[▼]/[▲]**: "Phonebook" → **[SELECT]**
- 3** **[▼]/[▲]**: Select the desired entry.
- 4** 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 13).
- If you have rotary/pulse service, you need to press **[*]** (TONE) before pressing **[MENU]** 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 17).

Programming

Programmable settings

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

To access the features, there are 2 methods:

- scrolling through the display menus (page 20)
- 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 **[MENU]**
- 2 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]**.

Note:

- See page 22 for the default settings.

Main menu	Sub-menu 1	Sub-menu 2	Page	
Caller list 	-	-	29	
Answering device 	Play new msg.	-	33	
	Play all msg.	-	33	
	Erase all msg.* ¹	-	34	
	Greeting	Record greeting* ¹		32
		Check greeting		32
		Pre-recorded* ¹		32
	Settings	Ring count* ¹		36
		Recording time* ¹		36
		Remote code* ¹		34
Screen call			31	
Answer on* ¹	-		31	
Answer off* ¹	-		31	
V.M. access 	-	-	38	
Intercom 	-	-	40	

Programming

Main menu	Sub-menu 1	Sub-menu 2	Page	
Set date & time 	Date and time ^{*1}	–	12	
	Alarm	–	25	
	Time adjustment ^{*1}	–	–	
Initial setting 	Ringer setting	Ringer volume	–	
		Ringer tone	–	
		Night mode – On/Off – Start/End	25	
	Set date & time	Date and time ^{*1}		12
		Alarm		25
		Time adjustment ^{*1}		–
	Talking Caller ID	Handset		28
		Base unit ^{*1}		
	Handset name	–		26
	Call block ^{*1}	–		26
	Voice mail	Store VM access# ^{*1}		38
	Message alert	–		37
	Display setting	LCD Contrast		–
	Key tone	–		–
	Set area code ^{*1}	–		30
	Auto talk	–		14
Set tel line	Set dial mode ^{*1}		12	
	Set flash time ^{*1}		15	
	Set line mode ^{*1}		–	
Privacy mode ^{*1}	–		16	
Registration	Register handset		48	

*1 If you program these settings using one of the handsets, you do not need to program the same item using another handset. (KX-TG6542)

Programming

Programming using the direct commands

- 1 **[MENU]** → **[#]**
- 2 Enter the desired code.
- 3 Select the desired setting. → **[SAVE]**
 - This step may vary depending on the feature being programmed.
 - To exit the operation, press **[OFF]**.

Note:

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

Feature	Code	Setting	System ^{*1}	Page
Caller list	[2][1][3]	–	–	29
V.M. access (V.M.: Voice mail)	[3][3][0]	–	–	38
Intercom	[2][7][4]	–	–	40
Date and time	[1][0][1]	–	●	12
Alarm	[7][2][0]	[1]: Once [2]: Daily [0]: <Off>	–	25
Time adjustment ^{*2}	[2][2][6]	[1]: Caller ID auto [0]: <Manual>	●	–
Ringer volume ^{*3} (Handset)	[1][6][0]	[1]–[6]: Level 1–6 <6> [0]: Off	–	–
Ringer tone (Handset) ^{*4, *5}	[1][6][1]	[1]–[5]: Tone 1–5 <Tone 1> [6]–[0]: Melody 1–5	–	–
Night mode (On/Off)	[2][3][8]	[1]: On [0]: <Off>	–	25
Night mode (Start/End)	[2][3][7]	<23:00/06:00>	–	25
Handset name	[1][0][4]	–	–	26
Call block	[2][1][7]	–	●	26
Block w/o num (Block calls without phone number)	[2][4][0]	[1]: On [0]: <Off>	●	26
Store VM access# (VM: Voice mail)	[3][3][1]	–	●	38
Message alert	[3][4][0]	[1]: <On> [0]: Off	–	37
LCD Contrast (Display contrast)	[1][4][5]	[1]–[6]: Level 1–6 <3>	–	–

Programming

Feature	Code	Setting	System ^{*1}	Page
Key tone ^{*6}	[1][6][5]	[1]: <On> [0]: <Off>	–	–
Set area code	[2][5][5]	–	●	30
Auto talk ^{*7}	[2][0][0]	[1]: On [0]: <Off>	–	14
Set dial mode	[1][2][0]	[1]: Pulse [2]: <Tone>	●	12
Set flash time ^{*8}	[1][2][1]	[0]: 900 ms [1]: <700 ms> [2]: 600 ms [3]: 400 ms [4]: 300 ms [5]: 250 ms [*]: 200 ms [#]: 160 ms [6]: 110 ms [7]: 100 ms [8]: 90 ms [9]: 80 ms	●	15
Set line mode ^{*9}	[1][2][2]	[1]: A [2]: 	●	–
Privacy mode	[1][9][4]	[1]: On [0]: <Off>	●	16
Register handset	[1][3][0]	–	–	48
Deregistration	[1][3][1]	–	–	48

For the Talking Caller ID feature

Feature	Code	Setting	System ^{*1}	Page
Talking Caller ID (Handset)	[1][6][2]	[1]: On [0]: <Off>	–	28
Talking Caller ID (Base unit)	[*][1][6][2]	[1]: On [0]: <Off>	●	28

For the answering system

Feature	Code	Setting	System ^{*1}	Page
Play new msg. (msg.: message)	[3][2][3]	–	–	33
Play all msg.	[3][2][4]	–	–	33
Erase all msg.	[3][2][5]	–	●	34
Record greeting	[3][0][2]	–	●	32
Check greeting	[3][0][3]	–	–	32
Pre-recorded (Reset to pre-recorded greeting)	[3][0][4]	–	●	32
Ring count	[2][1][1]	2–7 rings <4 rings> Toll saver	●	36

Programming

Feature	Code	Setting	System ^{*1}	Page
Recording time	[3][0][5]	1 min <3 min> Greeting only	●	36
Remote code	[3][0][6]	<111>	●	34
Screen call	[3][1][0]	<On> Off	–	31
Answer on	[3][2][7]	–	●	31
Answer off	[3][2][8]	–	●	31

*1 If "System" column is checked, you do not need to program the same item using another handset. (KX-TG6542)

*2 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 each time caller information including date and time is received.

To turn this feature on, select "Caller ID auto". To turn this feature off, select "Manual". (Caller ID subscribers only)

To use this feature, set the date and time first (page 12).

*3 When the ringer volume is turned off, μ is displayed and the handset does not ring for outside calls. However even when the ringer volume is set to off, the handset still rings for alarm (page 25), intercom calls, and paging (page 40).

*4 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.

*5 The preset melodies in this product are used with permission of © 2009 Copyrights Vision Inc.

*6 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.

*7 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.

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

*9 Generally, the line mode setting should not be changed. This setting automatically maintains receiver volume at the proper level depending on the current telephone line condition. Set the line mode to "A" if telephone line condition is not good.

Special programming

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 12).

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

Off	Turns alarm off. Go to step 6.
Once	An alarm sounds once at the set time.
Daily	An alarm sounds daily at the set time. Go to step 4.

- 3 Enter the desired date and month. → **[OK]**
- 4 Set the desired time. → **[OK]**
- 5 **[v]/[▲]**: Select the desired alarm tone. → **[SELECT]**
 - We recommend selecting a different ringer tone from the one used 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.

Night mode

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

Important:

- Set the date and time beforehand (page 12).
- We recommend turning the base unit ringer off (page 14) in addition to turning the night mode on.
- If you have set the alarm, the alarm sounds even if the night mode is turned on.

Turning night mode on/off

- 1 **[MENU]** → **#[2][3][8]**
- 2 **[v]/[▲]**: Select "On" or "Off". → **[SAVE]**
 - If you select "Off", press **[OFF]** to exit.
- 3 Enter the desired hour and minute you wish to start this feature. → **[OK]**
- 4 Enter the desired hour and minute you wish to end this feature.
- 5 **[SAVE]** → **[OFF]**
 - When the night mode is set, ☾ is displayed.

Note:

- To correct a digit, press **[←]** or **[→]** to move the cursor to the digit, then make the correction.

Changing the start and end time

- 1 **[MENU]** → **#[2][3][7]**
- 2 Continue from step 3, "Turning night mode on/off", page 25.

Programming

Changing the handset name

Each handset can be given a customized name ("Bob", "Kitchen", etc.). This is useful when you make intercom calls between handsets. You can also select whether or not the handset name is displayed in standby mode. The default setting is "OFF". If you select "on" without entering any handset name, "Handset 1" to "Handset 2" is displayed.

- 1 [MENU] → [#][1][0][4]
- 2 Enter the desired name (max. 10 characters; see the character table, page 17).
 - If not required, go to step 3.
- 3 [SAVE]
- 4 [▼]/[▲]: Select the desired setting. → [SELECT]
- 5 [SELECT] → [OFF]

Call block (Caller ID subscribers only)

This feature allows the unit to reject calls when:

- the unit receives a call from a phone number stored in the call block list as unwanted ("Storing unwanted callers", page 26).
- the unit receives a call without phone number ("Block calls without phone number", page 26).

When a call is received, the unit rings for a short time while the caller is being identified. If the phone number matches an entry in the call block list, the unit sends out a busy tone to the caller, and then disconnects the call.

Important:

- When the unit receives a call from a number that is stored in the call block list or a call without a recognized

phone number, the call is logged in the caller list (page 29) with  after the call is disconnected.

Storing unwanted callers

You can store up to 30 phone numbers in the call block list by using the caller list or by entering the numbers directly.

Important:

- You must store the phone number with an area code in the call block list.

■ From the caller list:

- 1 [←] CID
- 2 [▼]/[▲]: Select the entry to be blocked.
- 3 [SAVE]
- 4 [▼]/[▲]: "Call block" → [SELECT]
- 5 [▼]/[▲]: "Yes" → [SELECT]
- 6 Edit the phone number if necessary (24 digits max.).
- 7 [SAVE] → [OFF]

■ By entering phone numbers:

- 1 [MENU] → [#][2][1][7] → [ADD]
- 2 Enter the phone number (24 digits max.).
 - To erase a digit, press [CLEAR].
- 3 [SAVE] → [OFF]

Block calls without phone number

You can reject a call without phone number including "Out of area" or "Private caller".

- 1 [MENU] → [#][2][4][0]
- 2 [▼]/[▲]: Select the desired setting. → [SAVE] → [OFF]

Viewing/editing/erasing call block numbers

- 1 [MENU] → [#][2][1][7]

Programming

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

- To exit, press [**OFF**].

3 **To edit a number:**

[**EDIT**] → Edit the phone number.

→ [**SAVE**] → [**OFF**]

To erase a number:

[**ERASE**] → [**▼**]/[**▲**]: “yes” →

[**SELECT**] → [**OFF**]

Note:

- When editing, press the desired dial key to add, [**CLEAR**] to erase.
- When viewing, “Block w/o num” is displayed if the block calls without phone number feature is turned on. To turn the feature off: [**ERASE**] → [**▼**] → [**SAVE**] → [**OFF**]

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.

Note:

- Even when there are unviewed missed calls, “**Missed call**” disappears from the standby display if

the following operation is performed by one of the registered handsets:

- Being replaced on the base unit or charger.
- Pressing [**OFF**].

Phonebook name display

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

Talking Caller ID

This feature lets you know who is calling without looking at the display.

To use this feature, you must:

- subscribe to Caller ID service of your service provider/telephone company.
- turn this feature on (page 23).

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

The unit announces in English only.

- The announcement is heard at the same level as the ringer volume (page 14, 22).
- If you turn on the answering system and set the number of rings “**2 rings**” (page 36), the unit does not announce the caller information. If “**Toll saver**” is selected and there is a new message, the unit does not announce the caller information.
- When you receive a call while on the phone, the 2nd caller's information is not announced even if you subscribe to both Caller ID and Call Waiting with Caller ID services.

Phonebook name announcement

When caller information is received and it matches a phone number stored in the

Caller ID Service

phonebook, the stored name in the phonebook is announced.

- Name pronunciation may vary. This feature may not pronounce all names correctly.
- Your unit may mute one or more rings in order to announce the caller's information. Talking Caller ID takes precedence over ringing.

Note:

- For users in name display service available areas:
 - the unit announces the Caller ID name provided by your service provider/telephone company.
 - the unit announces the customized phonebook name if it matches a phone number stored in the phonebook.
 - Caller ID service has a limit of how many characters can be displayed. If a caller's name is too long, the handset may not be able to display or announce the entire name.

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 17). When a call is received from a caller assigned to a group, the ringer you selected for that group rings after caller information is displayed. If you select "Current ringer" (default), the unit uses the ringer tone you selected on page 22 when calls from this group are received.

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

- 1 [M] → [MENU]
- 2 [v]/[▲]: "Group" → [SELECT]

- 3 [v]/[▲]: Select the desired group. → [SELECT]
- 4 [v]/[▲]: Select the current setting of the group ringer tone. → [SELECT]
- 5 [v]/[▲]: Select the desired ringer tone. → [SAVE]
- 6 [OFF]

Caller list

Important:

- Only 1 person can access the caller list at a time. (KX-TG6542)
- Make sure the unit's date and time setting is correct (page 12).

Viewing the caller list and calling back

- 1 [◀] CID
- 2 Press [v] to search from the most recent call, or [▲] to search from the oldest call.
 - If ▶ is displayed, not all of the information is shown. To see the remaining information, press [▶]. To return to the previous screen, press [◀].
- 3 To call back, press [↶]. To exit, press [OFF].

Note:

- 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 30).
- If the entry has already been viewed or answered, "✓" is displayed, even if it was viewed or answered using another handset.

Caller ID Service

Storing an area code to be deleted automatically

In some situations, phone numbers stored automatically in the caller list (page 29) 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".

- 1 **[MENU]** → **[#][2][5][5]**
- 2 Enter your area code (5 digits max.).
 - To correct a digit, press **[◀]** or **[▶]** to move the cursor, then press **[CLEAR]**. Enter the correct number.

- 3 **[SAVE]** → **[OFF]**

To erase your area code

- 1 **[MENU]** → **[#][2][5][5]**
- 2 Press and hold **[CLEAR]** until all digits erased. → **[SAVE]** → **[OFF]**

Editing a caller's phone number before calling back

You can edit a phone number in the caller list.

- 1 **[◀]** CID
- 2 **[▼]/[▲]**: Select the desired entry.
 - If **▶** is displayed, not all of the information is shown. To see the remaining information, press **[▶]**. To return to the previous screen, press **[◀]**.
- 3 **[EDIT]** → 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:

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

Erasing selected caller information

- 1 **[◀]** CID
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[ERASE]** → **[▼]/[▲]**: "Yes" → **[SELECT]** → **[OFF]**

Erasing all caller information

- 1 **[◀]** CID
- 2 **[ERASE]** → **[▼]/[▲]**: "Yes" → **[SELECT]** → **[OFF]**

Storing caller information to the phonebook

- 1 **[◀]** CID
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[SAVE]**
- 4 **[▼]/[▲]**: "Phonebook" → **[SELECT]**
- 5 Continue from step 2, "Editing entries", page 18.

Answering System

Answering system

The answering system can answer and record calls for you when you are unavailable to answer the phone. You can also set the unit to play a greeting message but not to record caller messages by selecting “**Greeting only**” as the recording time setting (page 36).

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 12).
- Answering system announcements are in English only.

Memory capacity (including your greeting message)

The total recording capacity is about 18 minutes. A maximum of 64 messages can be recorded.

Note:

- If message memory becomes full:
 - “**Messages full**” is shown on the handset 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

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

Handset

- 1 **To turn on:**
[MENU] → [#][3][2][7]
To turn off:
[MENU] → [#][3][2][8]
- 2 **[OFF]**

Note for base unit and handset:

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

Call screening

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

Handset

To adjust the speaker volume, press **[▲]** or **[▼]** repeatedly. You can answer the call by pressing **[↶]**. Call screening can be set for each handset. The default setting is “On”.

- 1 **[MENU] → [#][3][1][0]**
- 2 **[▼]/[▲]:** Select the desired setting.
→ **[SAVE] → [OFF]**

Answering System

Base unit

To adjust the speaker volume, press [▲] or [▼] repeatedly. You can answer the call by pressing [SP-PHONE].

To turn off while screening a call, press [▼] repeatedly until the sounds goes off.

Note:

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

Greeting message

When the unit answers a call, a greeting message is played to callers.

You can use either:

- your own greeting message
- a pre-recorded greeting message

Recording your greeting message

- 1 [MENU] → [#][3][0][2]
- 2 [▼]/[▲]: “Yes” → [SELECT]
- 3 After a beep sounds, hold the handset about 20 cm away and speak clearly into the microphone (2 minutes max.).
- 4 Press [STOP] to stop recording.
- 5 [OFF]

Using a pre-recorded greeting message

The unit provides 2 pre-recorded greeting messages:

- If you erase or do not record your own greeting message, the unit plays a pre-recorded greeting asking callers to leave a message.

- If the message recording time (page 36) is set to “Greeting only”, callers’ messages are not recorded and the unit plays a different pre-recorded greeting message asking callers to call again.

Resetting to a pre-recorded greeting message

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.

- 1 [MENU] → [#][3][0][4]
- 2 [YES] → [OFF]

Playing back the greeting message

- 1 [MENU] → [#][3][0][3]
- 2 [OFF]

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.

Operating the answering system during playback

Key	Operation
[▲] or [▼]	Adjust the speaker volume
[◀◀]	Repeat message*1

Answering System

Key	Operation
[▶▶]	Skip message
[■] (STOP)	Stop playback
[ERASE]	Erase currently playing message

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

Erasing all messages

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

Listening to messages using the handset

When new messages have been recorded:

- "New message" is displayed.
- The message indicator on the handset flashes slowly if the message alert feature is turned on (page 37).

1 To listen to new messages:

[PLAY]
or
[MENU] → [#][3][2][3]

- If there are no new messages in the answering system, [PLAY] is not displayed.

To listen to all messages:
[MENU] → [#][3][2][4]

2 When finished, press [OFF].

Note:

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

Operating the answering system

[MENU] → [▼]/[▲]: "Answering device" → [SELECT]

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

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

*2 To resume playback:

[▼]/[▲]: "Playback" → [SELECT]

*3 You can also erase as follows:

Answering System

[ERASE] → [▼]/[▲]: "Yes" →
[SELECT]

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 [PAUSE] during playback.
- 2 [▼]/[▲]: "Call back" →
[SELECT]

Editing the number before calling back

- 1 Press [PAUSE] during playback.
- 2 [▼]/[▲]: "Edit & Call" →
[SELECT]
- 3 Edit the number. → [↵]

Erasing all messages

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

Voice memo

Recording a voice memo

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

- 1 [MEMO]
- 2 After the unit beeps, speak clearly about 20 cm away from the microphone.
- 3 To stop recording, press [■] (STOP).

Remote operation

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

Remote access code

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

Important:

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

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

Deactivating remote operation

Press [✕] in step 2 on "Remote access code", page 34.

- The entered remote access code is deleted.

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.

Answering System

- 3 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 35).
- 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.

Note:

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

Remote commands

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

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

Key	Operation
[*][#]	End remote operation (or hang up)

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

Turning on the answering system remotely

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

- 1 Dial your phone number from a touch-tone phone.
- 2 Let the phone ring 15 times.
 - A long beep is heard.
- 3 Enter your remote access code within 10 seconds after the long beep.
 - The greeting message is played back.
 - You can either hang up, or enter your remote access code again and begin remote operation (page 34).

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 “**4 rings**”.

“**Toll saver**”: The unit’s answering system answers at the end of the 2nd ring when new messages have been recorded, or at the end of the 5th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 34), you know that there are no new messages when the phone rings for the 3rd time. You can then hang up without being charged for the call.

- 1 [MENU] → [#][2][1][1]
- 2 [▼]/[▲]: Select the desired setting.
→ [SAVE] → [OFF]

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 31).
- 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 allowed for each caller. The default setting is “**3 min**”.

- 1 [MENU] → [#][3][0][5]
- 2 [▼]/[▲]: Select the desired setting.
→ [SAVE] → [OFF]

Selecting “Greeting only”

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

Select “**Greeting only**” in step 2 on “**Caller’s recording time**”, page 36.

Note:

- When you select “**Greeting only**”:
 - If you do not record your own message, the unit will play the pre-recorded greeting-only message asking callers to call again later.
 - If you use your own message, record the greeting-only message

Answering System

asking callers to call again later (page 32).

Message alert

You can select whether or not the message indicator on the handset flashes slowly when new messages are recorded. The default setting is "On".

Important:

- If you stored the voice mail access number (page 38), the message indicator also flashes for newly recorded voice mail messages (page 38).

1 [MENU] → [#][3][4][0]

2 [▼]/[▲]: Select the desired setting.
→ [SAVE] → [OFF]

Note:

- While message alert is on, battery operating time is shortened (page 9).

Voice Mail Service

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 31). For details, see page 36.
- You need to store the voice mail access number to activate the message alert feature (page 37) for voice mail service.

Storing the voice mail (VM) access number

In order to listen to your voice mail messages, you must dial your service provider/telephone company's voice mail access number. Once you have stored your voice mail access number, you can dial it automatically (page 38).

- 1 **[MENU]** → **[#][3][3][1]**
- 2 Enter your access number (24 digits max.). → **[SAVE]** → **[OFF]**

Note:

- When storing your voice mail access number and your mailbox password, press **[PAUSE]** to add pauses (page 13) between the access number and

the password as necessary. Contact your service provider/telephone company for the required pause time.

Example:

1-222-333-4444	PPPP	8888
VM access	Pauses	Password
number		

To erase the voice mail access number

- 1 **[MENU]** → **[#][3][3][1]**
- 2 Press and hold **[CLEAR]** until all digits are erased. → **[SAVE]** → **[OFF]**

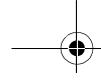
Listening to voice mail messages

The unit lets you know that you have new voice mail messages in the following ways:

- “**New Voice Mail**” is displayed on the handset if message indication service is available.
- The message indicator on the handset flashes slowly if the message alert feature is turned on (“Message alert”, page 37).

Important:

- Voice mail indications may not be shown depending on voice mail services of your service provider/telephone company.
- 1 **[VM]**
or
[MENU] → **[#][3][3][0]**
 - The speakerphone turns on.
 - If there are no new messages in the voice mail, **[VM]** is not displayed.
 - 2 Follow the pre-recorded instructions.



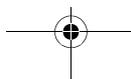
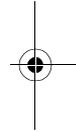
Voice Mail Service



3 When finished, press **[OFF]**.

Note:

- If the handset still indicates there are new messages even after you have listened to all new messages, turn it off by pressing and holding **[#]** until the handset beeps.
- If your voice mail service uses voice mail tones and a message is over 3 minutes long, the handset may not indicate new messages.
- If your voice mail service uses voice mail tones, the tones are heard from any phone connected to the same line. If you want to use another phone to listen to voice mail messages, you have to dial your access number manually.



Intercom/Locator

Intercom

Intercom calls can be made:

- between the handset and base unit
- between handsets (KX-TG6542)

Note:

- If you receive an outside call while talking on the intercom, you hear 2 tones.
 - To answer the call with the handset, press **[OFF]**, then press **[↩]**.
 - To answer the call with the base unit, press **[SP-PHONE]** 2 times.
- When paging unit(s), the paged unit(s) beeps for 1 minute.

Making an intercom call

Handset

- 1 **[MENU]** → **[INT]**
- 2 **[▼]/[▲]**: Select the desired unit. → **[SELECT]**
 - To stop paging, press **[OFF]**.
- 3 When you finish talking, press **[OFF]**.

Base unit

- 1 Press **[INTERCOM]**.
When 2 handsets are registered (KX-TG6542):
 - 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]**.

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:
Base unit:
 Press **[LOCATOR]**.
Handset:
 Press **[↩]**, then press **[OFF]**.

Intercom/Locator

Transferring calls, conference calls

Outside calls can be transferred or a conference call with an outside party can be made:

- between the handset and base unit
- between 2 handsets (KX-TG6542)

Handset

- 1** During an outside call, press **[INT]** to put the call on hold.
- 2** **[▼]/[▲]**: Select the desired unit. → **[SELECT]**
- 3** Wait for the paged party to answer.
 - If the paged party does not answer, press **[↶]** to return to the outside call.
- 4 To complete the transfer:**
Press **[OFF]**.
 - The outside call is being routed to the destination unit.**To establish a conference call:**
Press **[CONF]**.
 - To leave the conference, press **[OFF]**. The other 2 parties can continue the conversation.
 - To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[CONF]**.

Base unit

- 1** During an outside call, press **[INTERCOM]**.
When 2 handsets are registered (KX-TG6542):
 - 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 paged party does not answer, press **[INTERCOM]** to return to the outside call.
- 3 To complete the transfer:**
Press **[SP-PHONE]**.
 - The outside call is being routed to the handset.**To establish a conference call:**
Press **[CONF]**.
 - To leave the conference, press **[SP-PHONE]**. The other 2 parties can continue the conversation.
 - To put the outside call on hold, press **[HOLD]**. To resume the conference, press **[CONF]**.

Answering a transferred call

Handset

Press **[↶]** to answer the page.

Base unit

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

Useful Information

Wall mounting

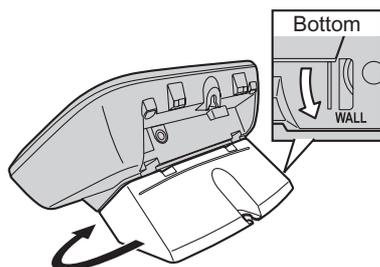
The base unit can be mounted on a wall by revolving the bracket to "WALL" position (default: "DESK" stand position).

Note:

- Make sure that the wall is strong enough to support the weight of the unit.
- Drive the screws (not supplied) into the wall.

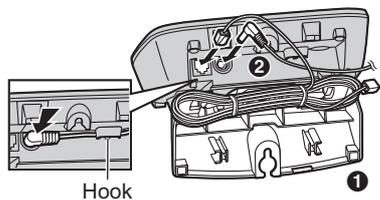
Base unit

- 1 Turn the bracket 180 degrees counterclockwise in the "WALL" direction until a click is heard.

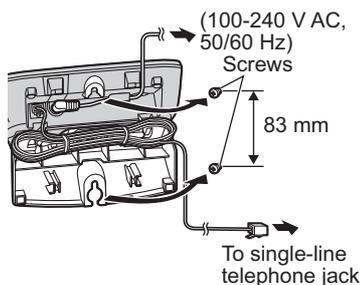


- The bracket cannot be removed. Do not turn the bracket more than 180 degrees.

- 2 Tuck in the telephone line cord (1). Connect the AC adaptor cord and telephone line cord (2).

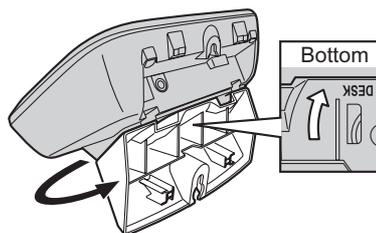


- 3 Mount the unit on a wall then slide down to secure in place.

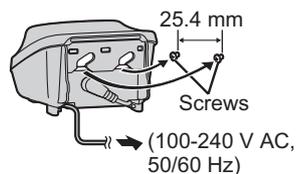


To stand on a desk

Turn the bracket 180 degrees clockwise from the "WALL" position to the "DESK" direction until a click is heard.



Charger



Useful Information**Error messages**

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

Display message	Cause/solution
Base no power or No link. Re-connect base 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 48).
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. • The handset you are using is too far from the base unit. Move closer and try again.
Call phone company for your access #	<ul style="list-style-type: none"> • You have not stored the voice mail access number. Store the number (page 38).
Check tel line	<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).
Error!!	<ul style="list-style-type: none"> • Recording was too short. Try again.
Invalid	<ul style="list-style-type: none"> • There is no handset registered to the base unit matching the handset number you entered. • The handset is not registered to the base unit. Register the handset (page 48).
Requires subscription to Caller ID.	<ul style="list-style-type: none"> • You must subscribe to a Caller ID service. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed.
Use rechargeable battery.	<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 4, 6.

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 handset does not turn on even after installing charged batteries.	<ul style="list-style-type: none"> Place the handset on the base unit or charger to turn on the handset.
The unit does not work.	<ul style="list-style-type: none"> Make sure the batteries are installed correctly (page 8). Fully charge the batteries (page 8). Check the connections (page 8). 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 48).
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. 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.
The indicator on the handset flashes slowly.	<ul style="list-style-type: none"> New messages have been recorded. Listen to the new messages (page 33). New voice mail messages have been recorded. Listen to the new voice mail messages (page 38).

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 8).

Useful Information

Problem	Cause/solution
I fully charged the batteries, but <ul style="list-style-type: none"> -  still flashes, -  is displayed, or - 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. • It is time to replace the batteries (page 8).

Making/answering calls, intercom

Problem	Cause/solution
 is displayed.	<ul style="list-style-type: none"> • The handset is too far from the base unit. Move closer. • The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit. • The handset is not registered to the base unit. Register it (page 48).
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 does not ring.	<ul style="list-style-type: none"> • The ringer volume is turned off. Adjust the ringer volume (page 22). • Night mode is turned on. Turn it off (page 25).
The base unit does not ring.	<ul style="list-style-type: none"> • The ringer volume is turned off. Adjust the ringer volume (page 14).
I cannot make a call.	<ul style="list-style-type: none"> • The dialing mode may be set incorrectly. Change the setting (page 12). • The handset is too far from the base unit. Move closer and try again.

Useful Information

Caller ID/Talking 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 not announced.	<ul style="list-style-type: none"> The handset or base unit's ringer volume is turned off. Adjust it (page 14, 22). The Talking Caller ID feature is turned off. Turn it on (page 23). The number of rings for the answering system is set to "2 rings" or "Toll saver". Select a different setting (page 36). If the base unit and another handset are having an intercom call, your handset does not announce caller information.*1
Caller information is displayed or announced late.	<ul style="list-style-type: none"> Depending on your service provider/telephone company, the unit may display or announced 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 22).

*1 KX-TG6542

Useful Information**Answering system**

Problem	Cause/solution
The unit does not record new messages.	<ul style="list-style-type: none"> • The answering system is turned off. Turn it on (page 31). • The message memory is full. Erase unnecessary messages (page 33). • The recording time is set to "Greeting only". Change the setting (page 36). • 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 36).
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"> • The remote access code is not set. Set the remote access code (page 34). • You are entering the wrong remote access code. If you have forgotten your remote access code, enter the remote access code setting to check your current code (page 34). • Press each key firmly. • The answering system is turned off. Turn it on (page 35).

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.

Useful Information

Registering a handset to the base unit

- 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. (KX-TG6542)
 - The next step must be completed within 90 seconds.
- 3 Handset:**
Press [OK], then wait until a long beep sounds.

Note:

- While registering, “Base in registering” is displayed on all registered handsets. (KX-TG6542)

Deregistering a handset

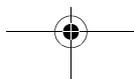
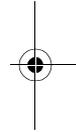
- 1 [MENU] → [#][1][3][1]**
 - All handsets registered to the base unit are displayed.
- 2 [▼]/[▲]:** Select the handset you want to cancel. → [SELECT]
- 3 [▼]/[▲]:** “Yes” → [SELECT]
- 4 [OFF]**

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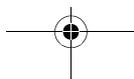
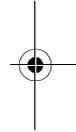


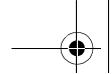
Notes





Notes





For your future reference

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

Serial No.

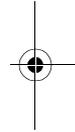
Date of purchase

(found on the bottom of the base unit)

Name and address of dealer



Attach your purchase receipt here.



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