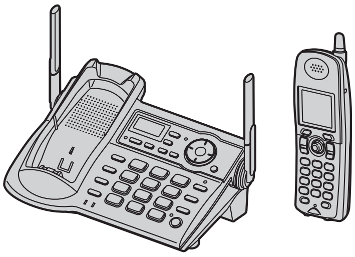
Panasonic

# Operating Instructions

5.8 GHz Expandable Digital Cordless Answering System

Model No. **KX-TG5871AL**



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

**Charge the battery for 6 hours before initial use.**

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

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**Thank you for purchasing a Panasonic cordless telephone.**

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

Serial No. ____________________ Date of purchase ____________________
(found on the bottom of the unit)

Name and address of dealer ____________________

**Attach your purchase receipt here.**

## About these operating instructions

These operating instructions can be used for the KX-TG5871AL, KX-TGA580AL, and KX-TGA582AL.

**Notable differences between the KX-TG5871AL, KX-TGA580AL, and KX-TGA582AL:**
The KX-TG5871AL and KX-TGA580AL feature a monochrome display handset.
The KX-TGA582AL features a colour display handset with USB-support.

**Important:**

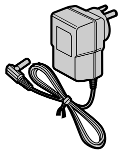
- Features and operations indicated by “**monochrome display models**” are for KX-TG5871AL users and KX-TGA580AL (accessory handset) users only.
- Features and operations indicated by “**colour display models**” are for KX-TGA582AL (accessory handset) users only.
- See page 7 for the differences between the accessory handsets KX-TGA580AL and KX-TGA582AL.
- References in these operating instructions to a charger or other handsets are for accessory handset users only. See “Expanding your phone” on page 6.
- For information on connecting the KX-TGA582AL to a PC, refer to the included “Installation Guide for GIGARANGE USB Utility” included with the KX-TGA582AL accessory handset.

# Accessory information

## Included accessories

| No. | Accessory items | Quantity |
|---|---|---|
| ① | AC adaptor for base unit | 1 |
| ② | Telephone line cord | 1 |
| ③ | Telephone plug | 1 |
| ④ | Wall mounting adaptor | 1 |
| ⑤ | Battery | 1 |
| ⑥ | Handset cover | 1 |
| ⑦ | Belt clip | 1 |
| ⑧ | Audio cable | 1 |

①



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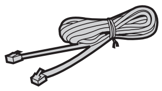

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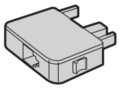

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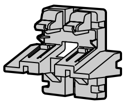

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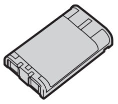

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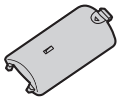

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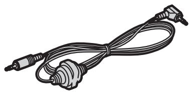
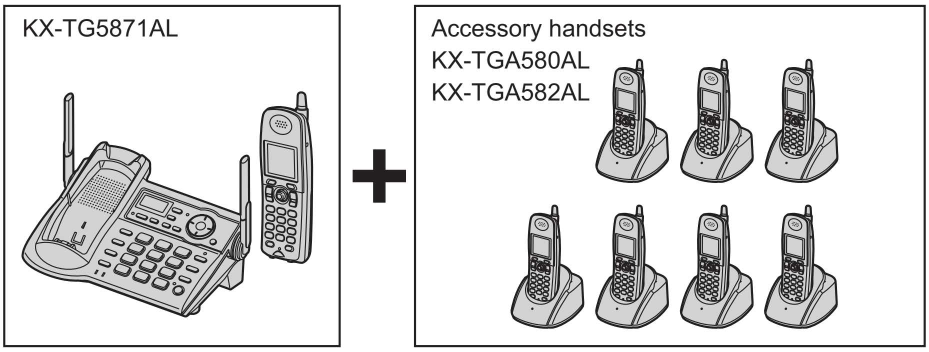


## Additional/replacement accessories

| Accessory items | Order number |
|---|---|
| Rechargeable nickel metal hydride (Ni-MH) battery | HHR-P104 |
| Accessory handset with charger | KX-TGA580AL (features a monochrome display)<br>KX-TGA582AL (features a colour display) |
| Headset | KX-TCA88AL |

# Expanding your phone

The KX-TG5871AL includes one handset and one base unit. You can expand the system by adding up to 7 accessory handsets, sold separately. A maximum of 8 handsets can be registered to a base unit.
Any combination of the 2 available accessory handsets is possible.



**Note:**

- The included handset is pre-registered at the factory and assigned the extension number 1.
- In most situations 4 units can be operated at once, however, the number of units that can be operated at once may be lower depending on the features being used.

## Available accessory handsets

2 accessory handset models are available for the KX-TG5871AL.
Operations and features of 2 different accessory handsets have certain differences as indicated in the table below.

| **Feature** | **KX-TGA580AL** | **KX-TGA582AL** | **Page** |
|---|---|---|---|
| Description | Same handset supplied with KX-TG5871AL | Available as accessory handset only | – |
| Display type | Monochrome | Colour | – |
| USB-support[*1] | – | ● | [*2] |
| Picture ID | – | ● | 34 |
| Picture download feature | – | ● | [*2] |
| Song record feature | ● | ● | 50 |
| Song download feature | – | ● | [*2] |
| Wallpaper | – | ● | 54 |
| Wallpaper download feature | – | ● | [*2] |
| Memory status display | – | ● | 53 |

*1 USB-support allows you to connect the handset to your PC and send pictures and songs from your PC to the handset, as well as create and edit phonebook entries using your PC.
*2 For information on using this feature, refer to the help section of the GIGARANGE USB Utility software included with the KX-TGA582AL accessory handset. If you have not installed the GIGARANGE USB Utility software, refer to the included “Installation Guide for GIGARANGE USB Utility” for details.

For information on ordering accessory handsets, see page 5.

# Important safety instructions

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a moist cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorised service centre when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from power outlets and refer servicing to an authorised service centre when the following conditions occur:
    A. When the power cord is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorised service centre.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

## SAVE THESE INSTRUCTIONS

### CAUTION:

**Installation**

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

- Do not touch the plug with wet hands.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the unit and is easily accessible.
- To prevent the electric shock, use only the included audio cable with the transformer when connecting the unit to an audio device.

**Battery**

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

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

## WARNING:

- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.
- Unplug this unit 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 and contact an authorised service centre.

**Medical**

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 5.76 GHz to 5.84 GHz, and the power output level can range from 0.25 to 0.5 watts.) Do not use the unit 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 (radio frequency) energy.

**Notice**

- Please ensure that a separate telephone, not dependent on local power, is available for emergency use.
- This equipment will be inoperable when mains power fails.
- When a failure occurs which results in the internal parts becoming accessible, disconnect the power supply cord immediately and return this unit to an authorised service centre.
- To minimise the possibility of lightning damage, when you know that a thunderstorm is coming, we recommend that you:
  - Unplug the telephone line cord from the phone jack.
  - Unplug the power supply cord from the AC power outlet.
- No “000” or other calls can be made from this device during a mains power failure.
- The earcap on the handset is magnetised and may retain metallic objects.
- This equipment has been tested and found to comply with AS/NZS 3548: 1995 limits for electromagnetic interference. Any modifications to any part of the system or to any peripherals

may void the EMC compliance of the system or the peripherals.

## For best performance

**Base unit location/noise**

The base unit and handset use radio waves to communicate with each other. For maximum distance and noise-free operation, we recommend the following:

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

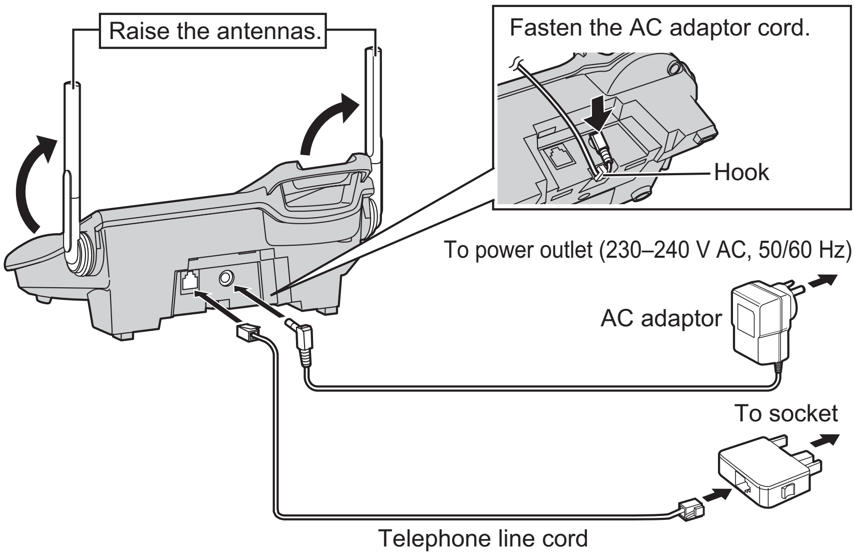
**Environment**

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from excessive smoke, dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of the unit.
- When you leave the unit unused for a long period of time, unplug this unit from power outlet.
- The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating near 5.8 GHz electrical appliances may cause interference. Move away from the electrical appliances.

**Routine care**

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

# Connections

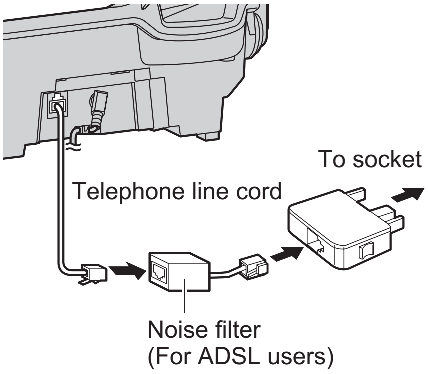

Raise the antennas.
Fasten the AC adaptor cord.
Hook
To power outlet (230–240 V AC, 50/60 Hz)
AC adaptor
To socket
Telephone line cord

**Note:**

- Use only the included Panasonic AC adaptor PQLV1AL.
- 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.
- The unit will not work during a power failure. We recommend connecting a standard telephone to the same telephone line or to the same telephone jack using a telephone double adaptor.
- The unit is not designed to be used with rotary (pulse dialling) services.

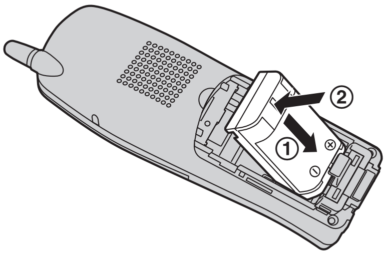
**If you subscribe to an ADSL service**

- Please attach a noise filter (contact your 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 (page 32) do not function properly.

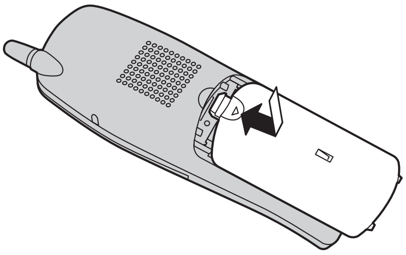

To socket
Telephone line cord
Noise filter
(For ADSL users)

# Battery installation

**1** Insert the battery (①), and press it down until it snaps into the compartment (②).



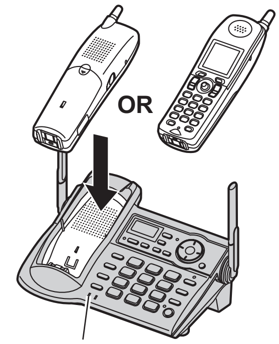
**2** Close the handset cover.



## Battery charge

Place the handset on the base unit for **6 hours** before initial use.

- The unit will beep once, the CHARGE indicator will light, and “`Charging`” will be displayed.
- “`Charge completed`” is displayed when the battery has been fully charged. The CHARGE indicator will remain lit.



**Note:**

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

### Battery strength

You can confirm the battery strength on the handset display.

| Battery icon | Battery strength |
|---|---|
| ▮▮▮ | Fully charged |
| ▮▮ | Medium |
| ▮ | Low<br>When flashing: needs to be recharged. |
| ▯ | Discharged |

### Recharging the battery

Recharge the battery when:

– “`Recharge battery`” is displayed or ▮ flashes on the handset display.

– the handset beeps intermittently while it is in use.

**Note:**

- Recharge the handset battery for more than 15 minutes, or the display will continue showing the indication.
- If the battery has been discharged, the handset will display “`Charge for 6 HRS`” and ▯ when you place the handset on the base unit.

### Battery performance

After your Panasonic battery is fully charged, you can expect approximately the following performance:

| Operation | Operating time |
|---|---|
| While in use (talking) | Up to 5 hours |
| While not in use (standby)[*1] | Up to 11 days |
| While using the clarity booster feature (page 22) | Up to 3 hours |

[*1] Handset is off the base unit but not in use.

**Note:**

- Battery power is consumed whenever the handset is off the base unit, even when the handset is not in use. The longer you leave the handset off the base unit, the shorter you can actually talk on the handset. Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use.
- Once the battery is fully charged, you do not have to charge it again until “`Recharge battery`” is displayed or ▮ flashes. This will maximise the battery life.

## Battery replacement

If battery performance diminishes, make sure you have cleaned the charge contacts and fully charged the battery. The battery needs to be replaced if any of the following are displayed after a few phone calls even when you have fully charged the battery.

– "`Recharge battery`"

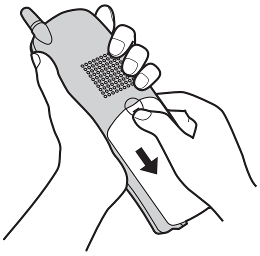
– 🪫 (flashing)

– "`Charge for 6 HRS`"

– ▭

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

**1** Press the notch on the cover firmly and slide it as indicated by the arrow.



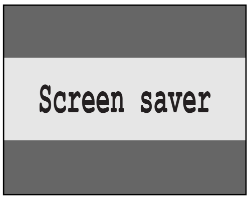
**2** Replace the old battery with a new one, and close the cover (see page 12 for battery installation).

## Screen saver mode (Colour display models only)

**Important:**

- Only the KX-TGA582AL supports this feature.

After 1 minute of inactivity, the handset will enter screen saver mode if the handset is not on the base unit or charger.
"`Screen saver`" will be displayed, and will occasionally change position in order to preserve the life of the display.
Example:



Screen saver

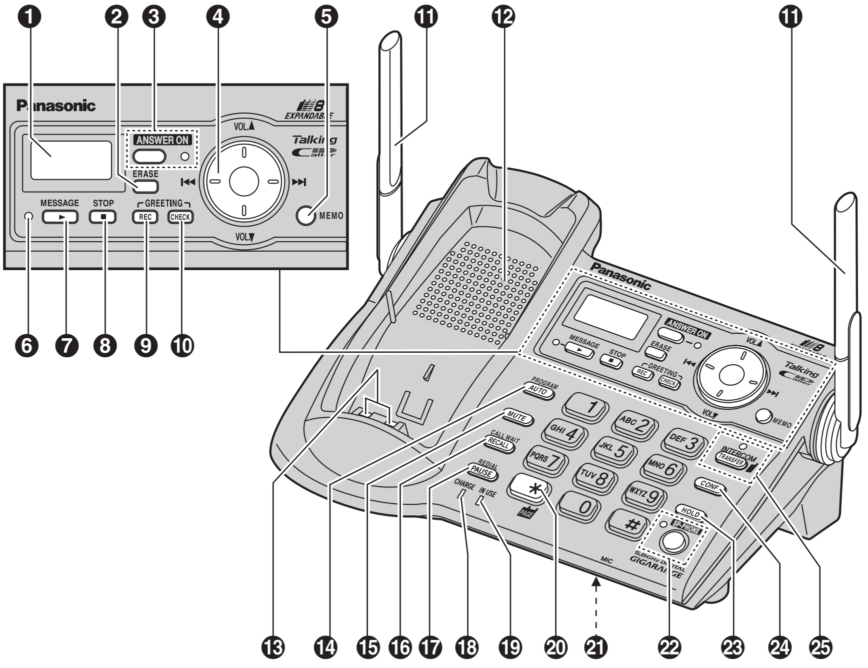
**To cancel screen saver mode**

To use the handset when it is in screen saver mode, first press **【OFF】** to turn the display on again.

# Controls and displays

## Controls

### Base unit


①
②
③
④
⑤
⑪
⑫
⑪
Panasonic
EXPANDABLE
ANSWER ON
VOL▲
Talking Caller ID
ERASE
MESSAGE
STOP
GREETING
REC
CHECK
MEMO
VOL▼
⑥
⑦
⑧
⑨
⑩
PROGRAM
AUTO
MUTE
CALL WAIT
RECALL
REDIAL
PAUSE
CHARGE
IN USE
PAGE
INTERCOM
TRANSFER
CONF
HOLD
SP-PHONE
MIC
GIGARANGE
⑬
⑭
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⑲
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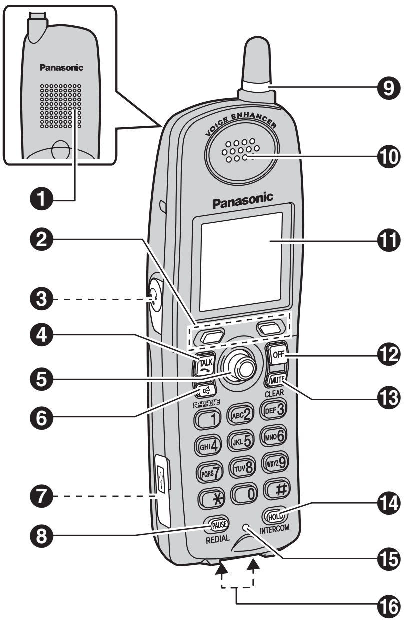
- ① **Display**
- ② **【ERASE】**
- ③ **【ANSWER ON】**
  **ANSWER ON indicator**
- ④ **Navigator key**
- ⑤ **【MEMO】**
- ⑥ **MESSAGE indicator**
- ⑦ **【MESSAGE】**
- ⑧ **【STOP】**
- ⑨ **【GREETING REC】 (Recording)**
- ⑩ **【GREETING CHECK】**
- ⑪ **Antenna**
- ⑫ **Speaker**
- ⑬ **Charge contacts**
- ⑭ **【PROGRAM】【AUTO】**
- ⑮ **【MUTE】**
- ⑯ **【CALL WAIT】【RECALL】**
- ⑰ **【REDIAL】【PAUSE】**
- ⑱ **CHARGE indicator**
- ⑲ **IN USE indicator**
- ⑳ **【*】(PAGE)**
- ㉑ **MIC (Microphone)**
- ㉒ **【SP-PHONE】 (Speakerphone)**
  **SP-PHONE indicator**
- ㉓ **【HOLD】**
- ㉔ **【CONF】 (Conference)**
- ㉕ **【INTERCOM】【TRANSFER】**
  **INTERCOM indicator**

### Handset



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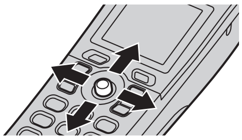
⑩
⑪
⑫
⑬
⑭
⑮
⑯
Panasonic
VOICE ENHANCER
Panasonic
TALK
OFF
MUTE
CLEAR
SP-PHONE
1
ABC2
DEF3
GHI4
JKL5
MNO6
PQRS7
TUV8
WXYZ9
*
0
#
PAUSE
REDIAL
HOLD
INTERCOM

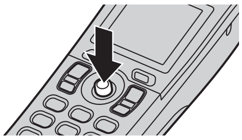
① **Speaker**
② **Soft keys**
③ **Headset jack/Audio jack**
④ **【☎】 (TALK)**
⑤ **Joystick**
⑥ **【🔈】 (SP-PHONE)**
⑦ **USB cable jack (colour display models: KX-TGA582AL only)**
⑧ **【REDIAL】【PAUSE】**
⑨ **Ringer indicator**
**Message indicator**
⑩ **Receiver**
⑪ **Display**
⑫ **【OFF】**
⑬ **【CLEAR】【MUTE】**
⑭ **【INTERCOM】【HOLD】**
⑮ **Microphone**
⑯ **Charge contacts**

### Using the joystick

The handset joystick can be used to navigate through menus and to select items shown on the display, by pushing it up, down, left, or right.



It can also be used to select the centre soft key icon (page 18), by pressing down on the centre of the joystick.



**Note:**

- Up to 5 menu items can be displayed at a time. To select a menu item not shown on the current page, scroll up or down by pushing the joystick up or down, respectively.

## Displays

### Base unit display items

| Displayed item | Meaning |
|---|---|
| ◷ | Flashes when the date and time need to be set. |
| FULL | Flashes when message memory is full. |
| RINGER OFF | Base unit ringer is off. |
| E | Greeting or memo message recording error |
| g o | Answering system is in greeting only mode (caller messages will not be recorded). |
| H 1 | Handset number; displayed when paging or being paged (example shown here: handset 1). |
| H | Paging all handsets. |
| P | Base unit is in programming mode. |

### Handset display items

| Displayed item | Meaning |
|---|---|
| --:--[*2] | The date and time need to be set. |
| VE | Voice enhancer is on. |
| ▮▮▮ | Battery strength |
| IN USE | Line is in use.<br>When flashing: a call is on hold.<br>When flashing rapidly: a call is being received. |
| SP[*1]<br>SP[*2] | Speaker is on. |
| PRIVACY[*1]<br>PRIVACY[*2] | Call Privacy mode is on. |
| 1 | This handset's extension number (example shown here: handset 1) |
| ◀ ▶ | You can move the cursor right and left. |
| ◀▲▼▶ | You can scroll or move the cursor right and left or up and down. |
| ▲▼ | You can scroll up and down. |
| ✓ | When customising the unit: indicates the current setting.<br>When viewing the caller list: indicates that you have called back this caller or viewed this caller information. |

*1 Monochrome display models:
KX-TG5871AL and KXTGA580AL only

*2 Colour display models:
KX-TGA582AL only

### Handset menu icons

When in standby mode, pushing the centre of joystick reveals the handset's main menu. From here you can access various features and settings.

**Important:**

- The menu icons shown in these instructions vary slightly from the actual icons shown on the display.

**Monochrome display models: KX-TG5871AL and KX-TGA580AL only**

| Menu icon | Menu/feature |
|---|---|
| 📼 | `Answering device` |
| 🎵 | `Ringer setting` |
| 📖 | `Phonebook` |
| ✎ | `Function` |
| 🔧 | `Initial setting` |
| 🕒 | `Set date & time` |

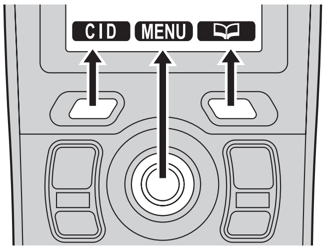
**Colour display models: KX-TGA582AL only**

| Menu icon | Menu/feature |
|---|---|
| 📼 | `Answering device` |
| 🎵 | `Ringer setting` |
| 🖼 | `Display setting` |
| ✎ | `Function` |
| 🔧 | `Initial setting` |
| 🕒 | `Set date & time` |

### Handset soft keys

The handset features 2 soft keys and a joystick. By pressing a soft key, or by pressing the centre of the joystick, you can select the function displayed directly above it.

- Pressing the left or right soft key selects the leftmost or rightmost soft key icon respectively.
- Pressing the centre of the joystick selects the centre soft key icon.
- The functions displayed will vary depending on how you are using the unit.
- When a function does not appear above a soft key, the soft key has no function.



**Note:**

- In these operating instructions, soft key names are written inside brackets, the same way as other unit keys.
  Example:
  Unit keys: **【☎】**, **【OFF】**, etc.
  Soft keys: **【CID】**, **【MENU】**, **【📖】**, etc.

### Handset backlit display and handset keypad

The handset display and dialling buttons will light for a few seconds after pressing any of the handset's controls or lifting the handset off the base unit or charger. They will also light when a call is being received.

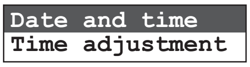
# Setting the unit before use

## Setting the date and time ◷

1 Press **【MENU】** (centre of joystick).

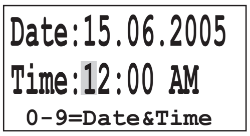
2 Scroll to ◷, then press **【SELECT】**.

3 Scroll to "`Date and time`", then press **【SELECT】**.



```
Date and time
Time adjustment
```

4 Enter the current day, month, and year by selecting 2 digits for each.
Example: 15 June, 2005
Press **【1】【5】 【0】【6】 【0】【5】**.



```
Date:15.06.2005
Time:12:00 AM
 0-9=Date&Time
```

5 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30 PM
Press **【0】【9】 【3】【0】**.

6 Select "`AM`" or "`PM`" by pressing **【AM/PM】**.

7 Press **【SAVE】**.
- When the date and time are set, ◷ disappears from the base unit display.
- If the handset beeps 3 times, the date and time were not set correctly. Enter the correct digits.

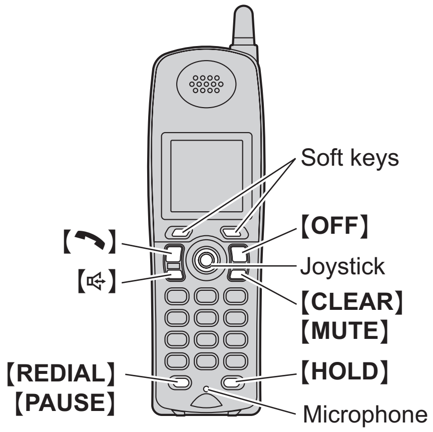
8 Press **【OFF】**.

**Note:**
- If you make a mistake when entering the date and time, use the joystick to move the cursor, then make the correction.

**Time adjustment (Caller ID subscribers only)**

When calls are received, Caller ID will automatically adjust the date and time (including daylight saving time).
- If you have not set the date and time manually, Caller ID will not adjust the date and time.
- You can turn this feature off (page 59).

# Making calls using the handset



**1** Lift the handset and press 【📞】.
- "`Talk`" will be displayed.

**2** Dial the phone number.

**3** When finished talking, press **【OFF】** or place the handset on the base unit or charger.

**Note:**
- The IN USE indicator on the base unit lights while the handset user is on an outside conversation.

---

**To adjust the receiver volume**

3 levels (high/medium/low) are available. While using the receiver, push the joystick up or down repeatedly.

---

**To use the speakerphone**

**1** Lift the handset and press 【🔈】.
- "`SP-phone`" will be displayed.

**2** Dial the phone number.

**3** When the other party answers, speak into the microphone.

**4** When finished talking, press **【OFF】** or place the handset on the base unit or charger.

**Note:**
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, push the joystick down to decrease the speaker volume.
- While on a call, you can switch from the receiver to the speakerphone by pressing 【🔈】. To switch back to the receiver, press 【📞】.

---

**To adjust the speaker volume**

6 levels (high to low) are available. While using the speaker, push the joystick up or down repeatedly.

---

**To dial after confirming the entered number**

**1** Enter the phone number.
- To correct a digit, use the joystick to move the cursor, then press **【CLEAR】**. Enter the correct number.
- If a pause is required when dialling, press **【PAUSE】** where needed (page 22).
- To cancel, press **【OFF】**.

**2** Press 【📞】, 【🔈】, or **【CALL】**.

**3** When finished talking, press **【OFF】** or place the handset on the base unit or charger.

---

**To redial the last number dialled**

**1** Press 【📞】 or 【🔈】.

**2** Press **【REDIAL】**.

**To make a call using the redial list**

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

**1** Press 【REDIAL】.
- The last number dialled will be displayed.

**2** Push the joystick up or down repeatedly to display the desired number.
- To delete the displayed number, press 【CLEAR】.
- To exit the list, press 【OFF】.

**3** Press 【☎】, 【🔊】, or 【CALL】.

## Useful features during a call

**HOLD button**

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

**1** Press 【HOLD】 during an outside call.
- To transfer the call to another extension, see page 38.

**2** Press 【HOLD】 again.
- "`Hold`" will be displayed.
- To return to the call, press 【☎】 or 【🔊】.
- The base unit user can take the call by pressing 【SP-PHONE】.
- Another handset user can take the call by pressing 【☎】 or 【🔊】.

**Note:**
- If another phone is connected on the same line (page 11), you can also take the call by lifting its handset.
- If a call is kept on hold for more than 6 minutes, an alarm tone will start to sound and the ringer indicator will flash rapidly. After 4 additional minutes on hold, the call will be disconnected.

**MUTE button**

You can mute your voice during a conversation. While mute is turned on you will be able to hear the other party, but the other party will not be able to hear you.
To mute your voice, press 【MUTE】.
- "`<Mute>`" will flash on the display.
- To return to the conversation, press 【MUTE】, 【☎】, or 【🔊】.

**Voice enhancer**

This feature can simulate a band signal above the normal bandwidth limitations, achieving a sound which is close to the actual voice. You can turn this feature on or off, depending on the circumstance.

**1** Press 【MENU】 (centre of joystick) during an outside call.

**2** To turn this feature on or off, press 【3】.
- You can also turn this feature on or off by pushing the joystick up or down, then pressing 【SELECT】.
- When turned on, VE will be displayed.

**Note:**
- Once you turn voice enhancer on, it will be activated for all outside calls until turned off.
- You can also turn this feature on or off by programming (page 52).
- Depending on the condition and quality of your telephone line, this feature may emphasise existing line noise. If it becomes difficult to hear, turn this feature off.

### 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 will be turned on automatically when necessary. This feature will turn off when you hang up or put a call on hold. It will not turn off automatically during a call. You can also turn this feature on or off manually.

1. Press **【MENU】** (centre of joystick) during an outside call.
2. To turn this feature on or off, press **【2】**.
   - You can also turn this feature on or off by pushing the joystick up or down, then pressing **【SELECT】**.
   - While this feature is turned on, "`Booster on`" will flash on the display.

**Note:**

- If this feature is turned off manually during a call, it will not be turned on automatically during the same call.
- While this feature is turned on, battery operating time will be shortened (page 13).
- The maximum number of extensions which can be used at a time may decrease when using this feature.

### Call share

When another extension is on an outside call, this feature allows you to join that call.
To join a conversation, press **【☎】** or **【🔈】** when another extension is on an outside call.

- "`Conference`" will be displayed.
- A maximum of 4 parties (including the outside party) can join a conversation.

### Call privacy

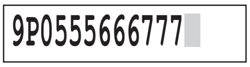
Call privacy allows you to prevent other users from joining your conversations with outside callers. To allow other users to join your conversations, leave this feature off. This feature is only available for the handset.
To turn this feature on or off, press **【PRIVACY】** during a conversation.

- While this feature is turned on, "PRIVACY" will be displayed.
- While this feature is turned on, other users cannot join the conversation.
- Call privacy will turn off after you hang up the call.

### PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.
For example, if you need to dial the line access number "9" when making outside calls with a PBX:

1. Press **【9】**.
2. Press **【PAUSE】**, then dial the phone number.

   Example: 
   9P0555666777

3. Press **【☎】**, **【🔈】**, or **【CALL】**.

**Note:**

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

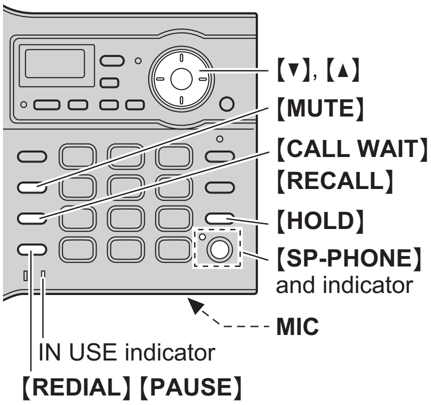
### RECALL button

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

**Note:**

- To change the recall time, see page 56.

## Making calls using the base unit



**1** Press 【**SP-PHONE**】.
- The SP-PHONE and IN USE indicators light.

**2** Dial the phone number.

**3** When the other party answers, speak into the MIC.

**4** When finished talking, press 【**SP-PHONE**】.
- The SP-PHONE and IN USE indicators go out.

**Note:**
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press 【▼】 to decrease the speaker volume.
- While on a call, you can switch from the speaker phone to the handset:
  - If the handset is off the base unit, press 【☎】 or 【🔊】 on the handset, then press 【**SP-PHONE**】 on the base unit.
  - If the handset is on the base unit, simply lift the handset.

**To adjust the speaker volume**

8 levels (high to low) are available.
While on a call press 【▼】 or 【▲】 repeatedly.

**To redial the last number dialled**

**1** Press 【**SP-PHONE**】.

**2** Press 【**REDIAL**】.

### Useful features during a call

**HOLD button**

This feature allows you to put an outside call on hold.
Press 【**HOLD**】 during an outside call.
- The SP-PHONE indicator and IN USE indicator flash.
- To return to the call, press 【**SP-PHONE**】.
- The handset user can take the call by pressing 【☎】 or 【🔊】.

**Note:**
- If another phone is connected on the same line (page 11), you can also take the call by lifting its handset.
- If a call is kept on hold for more than 6 minutes, an alarm tone will start to sound. After 4 additional minutes on hold, the call will be disconnected.

**MUTE button**

You can mute your voice during a conversation. While mute is turned on you will be able to hear the other party, but the other party will not be able to hear you.
To mute your voice, press 【**MUTE**】.
- The SP-PHONE indicator flashes.
- To return to the conversation, press 【**MUTE**】 or 【**SP-PHONE**】.

**Call share**

When another extension is on an outside call, this feature allows you to join that call. To join a conversation, press 【**SP-PHONE**】 when another extension is on an outside call.

- A maximum of 4 parties including the outside party can join a conversation.

**RECALL button**

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

**Note:**

- To change the recall time, see page 56.

## Answering calls using the handset

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

**1** Lift the handset and press 【☎】 or 【🔊】.
  - You can also answer a call by pressing any button except the joystick or 【**OFF**】. **(Any key talk feature)**

**2** When finished talking, press 【**OFF**】 or place the handset on the base unit or charger.

**Auto talk**

This feature allows you to answer a call by simply lifting the handset off the base unit or charger. You do not need to press 【☎】. To activate this feature, see page 56.

**Temporary ringer off**

While the handset is ringing for an outside call, you can turn the ringer off temporarily by pressing 【**OFF**】. The handset will ring the next time a call is received.

## Answering calls using the base unit

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

**1** Press **【SP-PHONE】**.

**2** Speak into the MIC.

**3** When finished talking, press **【SP-PHONE】**.

### Adjusting the ringer volume

4 levels (high/medium/low/off) are available.
While the base unit is not being used, press **【▼】** or **【▲】** repeatedly to select the desired volume.

- To stop ringing, press **【STOP】**.

To turn the ringer off, press and hold **【▼】** until the base unit beeps 2 times.

- *RINGER OFF* will be displayed.

**Note:**

- When the ringer volume is set to off, the base unit will not ring for outside calls and it will ring at the low level for intercom calls.
- When the ringer volume is set to off, the base unit will not announce caller names (page 33).

### Changing the ringer tone

You can change the base unit ringer tone heard when an outside call is received. There are 3 tones and 4 melodies.

**1** Press **【▲】** or **【▼】**.

**2** Within 10 seconds, press **【◄】** or **【►】** repeatedly to select the desired ringer tone.
- To stop ringing, press **【STOP】**.

**Note:**

- If you select one of the melody ringer patterns, the ringer will continue to sound for several seconds if:
  - – the caller hangs up before you answer the call.
  - – another person answers the call using another phone connected on the same line.

## Handset phonebook

The handset phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers to the handset phonebook and search for phonebook entries by name.

**Important:**

- KX-TGA582AL only: You can also create and edit phonebook items using your PC and send them to the handset. Refer to the help section of the GIGARANGE USB Utility software for details. If you have not installed the GIGARANGE USB Utility software, refer to the included “Installation Guide for GIGARANGE USB Utility” for details.

### Adding items to the phonebook

**1** Press 【📖】 (right soft key).

- The display shows the number of items in the phonebook.

**2** Press 【**ADD**】.

```
Enter name
█
```

**3** Enter the name (max. 16 characters). See the character table for entry.

**4** Press 【**NEXT**】.

```
Enter phone no.
█
```

**5** Enter the phone number (max. 32 digits).

- If a pause is required when dialling, press 【**PAUSE**】 where needed (page 22).

**6** Press 【**NEXT**】.

- If you want to change the name and number, press 【**EDIT**】, then repeat from step 3.

Example:

```
Tom
0555654321
```

**7** Press 【**SAVE**】.

- To add other items, repeat from step 2.

**8** Press 【**OFF**】.

**Note:**

- Caller ID subscribers can use ringer ID and light-up ID features (page 34).
- Colour display models (KX-TGA582AL only):
  Caller ID subscribers can use picture ID (page 34).

**To store emergency numbers**

Emergency numbers are numbers stored in the phonebook that can be dialled using the phonebook even when dial lock is turned on (page 52).
To store a number as an emergency number, add # at the beginning of the name (see “Adding items to the phonebook”).

**Character table**

The dial keys can be used to enter characters. To enter a character, press the appropriate dial key, repeatedly if necessary. To enter another character that is located on the same dial key, first push the joystick right to move the cursor to the next space.

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

**To edit/correct a mistake**

Use the joystick to move the cursor to the character or number you wish to erase, then press 【CLEAR】. Enter the appropriate character or number.

**Note:**

- Press and hold 【CLEAR】 to erase all characters or numbers.

## Calling someone in the phonebook

Phonebook items can be searched for alphabetically by scrolling through the phonebook items.

**1** Press 【📖】 (right soft key).
- To view the first item, press 【SEARCH】.

**2** Push the joystick up or down repeatedly to display the desired item.
- To exit the phonebook, press 【OFF】.

**3** Press 【☎】, 【🔈】, or 【CALL】.

**To search for a name by initial**

**1** Press 【📖】 (right soft key).

**2** Press the dialling button (【0】 to 【9】, 【#】, or 【*】) which corresponds to the first letter you are searching for (see the character table).
Example: “`LISA`”
Press 【5】 repeatedly to display any name with the initial “`L`”.
- If there is no item corresponding to the letter you selected, the next item will be displayed.

**3** Push the joystick down repeatedly to display the desired item.
- To exit the phonebook, press 【OFF】.
- To dial the displayed number, press 【☎】, 【🔈】, or 【CALL】.

## Adding items/calling someone in the phonebook using the unit's menu 📖 (Monochrome display models only)

**Important:**

- Only the KX-TG5871AL and KX-TGA580AL support this feature.

Monochrome display model users can also enter the phonebook from the handset's main menu.

**1** Press 【**MENU**】 (centre of joystick).

**2** Scroll to 📖, then press 【**SELECT**】.
- The display shows the number of items in the phonebook.

**3** To add items, continue from step 2 of "Adding items to the phonebook" on page 26.
OR
To call someone, continue from step 2 of "Calling someone in the phonebook".

## Editing items in the phonebook

**1** Press 【📖】 (right soft key).

**2** Push the joystick up or down repeatedly to display the desired item.

**3** Press 【**EDIT**】.

**4** Edit the name if necessary. See the character table on page 27 for character entry.

**5** Press 【**NEXT**】.

**6** Edit the phone number if necessary.

**7** Press 【**NEXT**】, then press 【**SAVE**】.
- To edit other items, repeat from step 2.

**8** Press 【**OFF**】.

## Erasing items in the phonebook

**1** Press 【📖】 (right soft key).

**2** Push the joystick up or down repeatedly to display the desired item.

**3** Press 【**CLEAR**】.
- To cancel erasing, press 【**NO**】.

**4** Press 【**YES**】.
- To erase other items, repeat from step 2.

**5** Press 【**OFF**】.

## Chain dial feature

This feature allows you to dial phone numbers from the phonebook while you are on a call.
Example: Using a long distance calling card

① Dial from the phonebook:
08000123456 (Calling card access number).

② When prompted, dial from the phonebook:
1234 (Calling card PIN).

③ When prompted, dial from the phonebook:
05550123456 (the person you want to call).

**1** **During an outside call,** press 【**MENU**】 (centre of joystick).

**2** Press 【**1**】 to select "`Phonebook`".

**3** Push the joystick up or down repeatedly to display the desired item.
- To search for the item by initial, see page 27.

**4** Press 【**CALL**】.
- Repeat from step 1 to dial other numbers.

**Note:**
- When storing a calling card access number and your PIN in the phonebook as one phonebook item, press 【**PAUSE**】 to add pauses after the number and PIN as necessary (page 22).

## Copying phonebook items

You can copy one or all of the phonebook items from the handset to the phonebook of a compatible Panasonic handset (page 5).

**Important:**
- Make sure the destination handset is not in use.
- Do not place your handset on the base unit or charger until copying has finished, otherwise copying will stop.
- If an outside call is received during the phonebook copy, copying will stop. You will need to copy the item(s) later.
- Ringer ID and light-up ID settings for phonebook items are not copied (page 34).
- Colour display models (KX-TGA582AL only):
  Picture ID settings for phonebook items are not copied (page 34).

### Copying an item

**1** Press 【📖】 (right soft key).

**2** Press 【**COPY**】.

**3** Scroll to "`1 item`", then press 【**SELECT**】.

**4** Scroll to the destination handset's number, then press 【**SELECT**】.

**5** Push the joystick up or down repeatedly to display the desired item.
- To search for the item by initial, see page 27.

**6** Press 【**SEND**】.
- When the item has been copied, "`Complete`" will be displayed.
- The destination handset display will show "`Phonebook Receiving`", then "`Phonebook Received`".
- To copy another item, repeat from step 5.

**7** Press **【OFF】**.

### Copying all items

**1** Press **【📖】** (right soft key).

**2** Press **【COPY】**.

**3** Scroll to "`All items`", then press **【SELECT】**.

**4** Scroll to the destination handset's number, then press **【SEND】**.

- When all items have been copied, "`Complete`" will be displayed.
- The destination handset display will show "`Phonebook Receiving`", then "`Phonebook Received`".
- To copy items to another handset, repeat from step 3.

**5** Press **【OFF】**.

# Base unit speed dialler

The base unit speed dialler allows you to make calls without having to dial manually. You can assign one phone number to each of the 10 dial keys (**【0】** to **【9】**) on the base unit.

## Adding phone numbers to the speed dialler

**Important:**

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

**1** Press **【PROGRAM】**.
- The IN USE indicator will flash.

**2** Enter the phone number (max. 32 digits).
- If a pause is required for dialling, press **【PAUSE】** where needed.
- If you misdial, press **【STOP】** and repeat from step 1.

**3** Press **【PROGRAM】**.

**4** Press a dial key (**【0】** to **【9】**).
- The base unit will beep.
- To store other phone numbers, repeat from step 1.

**Note:**

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

### PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.
For example, if you need to dial the line access number “9” with a PBX:
In step 2, press **【9】**, **【PAUSE】**, then enter the phone number.

**Note:**

- A 3.5 second pause is inserted each time **【PAUSE】** is pressed. Press repeatedly to insert longer pauses. “P” is displayed when **【PAUSE】** is pressed.
- When **【✱】** is pressed, “ч” is displayed. When **【#】** is pressed, “Ξ” is displayed.

### To erase a stored phone number

**1** Press **【PROGRAM】** 2 times.

**2** Press the desired dial key (**【0】** to **【9】**).
- The base unit will beep.

## Calling someone with the speed dialler

**1** Press **【SP-PHONE】**.

**2** Press **【AUTO】**.

**3** Press the desired dial key (**【0】** to **【9】**).
- The stored phone number will be dialled.

**Note:**

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

# Using Caller ID service

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

### Caller ID features

When an outside call is being received, the calling party's phone number will be displayed.
Phone numbers for the last 50 different callers will be logged in the caller list, allowing you to return missed calls. Caller information is stored by the most recent call to the oldest.

- When Caller ID information is received and it matches a phone number stored in the phonebook:
  - The stored name will be displayed and logged in the caller list. **(Private name display)**
  - The handset will use the ringer tone and the ringer indicator colour you assigned to the caller. **(Ringer ID and light-up ID)**
- Colour display models (KX-TGA582AL only):
  When Caller ID information is received and it matches a phone number stored in the phonebook, the handset will display the picture you assigned to the caller. **(Picture ID)**
- While listening to a message recorded by the answering system, using the handset, you can call back the caller without having to dial the phone number (page 64).
- If the unit cannot receive caller information, the following will be displayed:
  "`Out of area`": The caller dialled from an area which does not provide Caller ID service.
  "`Private caller`": The caller requested not to send caller information.
- If the unit is connected to a PBX system, caller information may not be received properly. Consult your PBX supplier.
- If the name display service is available in your area, the display will show callers' names. For further information, please contact your telephone company.

## Call waiting and Caller ID compatible

If you subscribe to Caller ID service, your handset displays the 2nd caller's information while talking. After you hear a call waiting tone, the caller's phone number will be displayed.
You can answer the 2nd call, keeping the 1st call on hold.
Follow Telstra or your service provider instructions using **[RECALL]**.

- If the phone number is stored in the phonebook with its name, the caller's name will also be displayed.
- Please contact Telstra or your service provider for details and availability in your area.

### For Caller ID Type II users

When you receive a 2nd call during a conversation, you will hear a signal tone following the call waiting tone and the **conversation will be interrupted or muted for a short period of time.** This is not a fault of the product as these events are normal.

- The tones are generated by the telephone company.

## Talking Caller ID

This feature allows you to know who is calling without looking at the display. When a call comes in, the handset and base unit will announce the caller's name displayed on the handset following every ring.
To use this feature, you must subscribe to your telephone company's Caller ID service.

**Important:**

- If Caller ID information is received and it matches a phone number stored in the phonebook or if the name display service is available in your area, the caller's name will be displayed and announced.
- If the caller's phone number is stored in the phonebook of the extension number 1 handset, all handsets and the base unit will announce the name stored in that phonebook following every ring.

- The name announced by the Talking Caller ID feature will be different from the names displayed on the other extension handsets (2 to 8) if the name is stored differently in each phonebook.
- If the unit does not receive Caller ID information, the unit will announce "*Call from out of area*" or "*Call from private caller*".
- Name pronunciation may vary. This feature may not pronounce all names correctly.
- The unit will announce each letter of abbreviations, such as "Co." and "Inc.".
- Caller ID supports names of up to 15 letters. If the caller's name has more than 15 letters, the name will not be displayed or announced correctly.
- Your unit may mute one or more rings in order to announce the name of the caller. Talking Caller ID takes precedence over ringing.
- If the ringer volumes of the handset and base unit are turned off, caller names will not be announced. The announcement is heard at the ringer volume (page 25, 49).
- If this feature is turned off, caller names will not be announced (page 55, 58).
- Usually the unit will announce the caller's name after the 2nd ring. If you turn on the answering system, and set the ring count to "`2`" (page 68), the unit will not announce the caller's name. If "`Toll saver`" is selected, and there is a new message, the unit will not announce the caller's name.
- If an outside call is received while on an intercom call between the handset and base unit, the other handsets will ring, but the caller's name will not be announced.

## Ringer ID and light-up ID

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

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

### Ringer ID

You can assign a different ringer tone to each caller in the phonebook. If you select “`No Ringer ID`” (default), the unit will use the ringer tone you set on page 49 when a call is received from that caller.

1. Press **【📖】** (right soft key).
2. Push the joystick up or down repeatedly to display the desired item.
3. Press **【OPTION】**.
4. Press **【1】** to select “`Ringer ID`”.
5. To select a tone or melody, scroll to “`Tone & Melody`”, then press **【SELECT】**.
   OR
   To select a song, scroll to “`Customized ring`”, then press **【SELECT】**.
6. Push the joystick up or down repeatedly to select the desired item.
7. Press **【SAVE】**, then press **【OFF】**.

**Note:**

- To erase a song, see page 51 and 53. If you erase a song assigned to a caller, the Ringer ID assignment will be cancelled, and the handset ringer tone (page 49) will be used instead of that song.

### Light-up ID

You can assign a different ringer indicator colour to each caller in the phonebook. Select “`Color1`” (amber), “`Color2`” (blue), “`Color3`” (green), or “`Multicolor`”.
If you select “`No Light-upID`” (default), the unit will use the ringer colour you set on page 51 when a call is received from that caller.

1. Press **【📖】** (right soft key).
2. Push the joystick up or down repeatedly to display the desired item.
3. Press **【OPTION】**.
4. Press **【2】** to select “`Light-up ID`”.
5. Push the joystick up or down repeatedly to select the desired ringer indicator colour.
6. Press **【SAVE】**, then press **【OFF】**.

## Picture ID (Colour display models only)

**Important:**

- Only the KX-TGA582AL supports this feature.

You can assign a picture to each caller in the phonebook. When a call is received from a caller stored in the phonebook, the picture is displayed after Caller ID information is received.

- The picture may be displayed after the 2nd ring.

There are 5 preset pictures.

You can also download picture data for callers from a PC. Refer to the help section of the GIGARANGE USB Utility software for details. If you have not installed the GIGARANGE USB Utility software, refer to the included “Installation Guide for GIGARANGE USB Utility” for details.

1. Press **[📖]** (right soft key).
2. Push the joystick up or down repeatedly to display the desired item.
3. Press **[OPTION]**.
4. Press **[3]** to select "`Picture ID`".
5. To select a preset picture, scroll to "`Fixed data`", then press **[SELECT]**.
   OR
   To select your original picture, scroll to "`User data`", then press **[SELECT]**.
6. Push the joystick up or down repeatedly to select the desired picture.
   - To view the picture name, press **[LIST]**. To return to the picture, press **[VIEW]**.
7. Press **[SAVE]**, then press **[OFF]**.

**Note:**

- To cancel the Picture ID assignment, select "`No data`" in step 5, then press **[SELECT]**.
- To erase your original picture, see page 53. If you erase a picture assigned to a caller, the Picture ID assignment will be cancelled.

## Caller list

Caller information for the last 50 different callers will be logged in the caller list. You can use this list to return missed calls.

- Caller information includes phone numbers, the date and time of calls, and the number of times the caller called.

### Missed calls

If a call is not answered, the unit treats the call as a missed call. The number of missed calls is shown on the handset display. This lets you know if you should view the caller list to see who called while you were out.

- If there are no items in the caller list, **[CID]** will not be displayed.

### Viewing the caller list and calling back

1. Press **[CID]** (left soft key).
2. Push the joystick down repeatedly to search from the most recent call, or up to search from the oldest call.
   - To exit the caller list, press **[OFF]**.
3. Press **[📞]** or **[🔈]**.

**Note:**

- Calling back will not be possible if the caller information does not include a phone number.
- In some cases, you may have to edit the number before dialling.
- Each handset has its own caller list. If you viewed the caller list or answered a call on one handset, the same information in the other handsets will be displayed as "`missed calls`".

### Displayed symbols

- If the same caller calls more than once, it will be displayed with the number (“`×2`” to “`×9`”). Only the date and time of the most recent call will be stored.
- A ✓ is displayed next to items which have already been viewed or answered on this handset.

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

You can edit a phone number in the caller list.

**1** Press 【CID】 (left soft key).

**2** Push the joystick up or down repeatedly to display the desired item.

**3** Press 【EDIT】.

**4** Add or erase digits to the beginning of the number as necessary.
- To add a digit, press the desired dial key.
- To erase a digit, press 【CLEAR】 or 【⌗】.

**5** Press 【☎】 or 【🔈】 to call back.

**Note:**
- The edited phone number will not be saved in the caller list.

## Storing caller information into the phonebook

Items in the caller list can be stored into each handset’s phonebook.

**1** Press 【CID】 (left soft key).

**2** Push the joystick up or down repeatedly to display the desired item.
- To edit the number, press 【EDIT】 then edit the number (see “Editing a caller’s phone number before calling back”, step 4).

**3** Press 【SAVE】.
- “`Enter name`” will be displayed.
- If the caller has name information, the name and phone number will be saved. Skip to step 6.

**4** Enter the name if necessary (see page 26, step 3).

**5** Press 【NEXT】, then press 【SAVE】.
- To continue storing other items, repeat from step 2.

**6** Press 【OFF】.

**Note:**
- If the caller information does not include a phone number, you cannot store it in the phonebook.

## Erasing caller information

### Erasing a selected item

**1** Press 【CID】 (left soft key).

**2** Push the joystick up or down repeatedly to display the desired item.

**3** Press 【CLEAR】.
- To erase other items, repeat from step 2.
- To exit the caller list, press 【OFF】.

### Erasing all items

Make sure that you have no missed calls.

**1** Press 【CID】 (left soft key).

**2** Press 【ERASE】 or 【CLEAR】.
- “`All erase?`” will be displayed.
- To cancel erasing, press 【NO】.

**3** Press 【YES】.

## Intercom

Intercom calls can be made between the handset and the base unit, and between the included handset and a compatible Panasonic handset (page 5).
Call the desired unit by selecting the extension number (❶ to ❽), shown in the upper right of each handset's display. The base unit's extension number is 0.

- The base unit will display the paging or paged handset's extension number (H 1 to H8).

**Note:**

- If you have difficulty hearing the other party while using the speaker, decrease the speaker volume.
- If you receive a phone call while talking on the intercom, you will hear 2 tones (page 56, 58). To answer the call with the handset, press 【**OFF**】, then press 【☎】 or 【🔊】. To answer the call with the base unit, press 【**SP-PHONE**】 2 times.
- You cannot change the ringer tone for intercom calls.

### From the handset to the base unit

1. **Handset:**
   Press 【**INTERCOM**】, then press 【**0**】.
   - The base unit will beep for 1 minute.
   - To stop paging, press 【**OFF**】.
2. **Base unit:**
   Press 【**SP-PHONE**】 or 【**INTERCOM**】 to answer the page.
3. **Handset:**
   When finished talking, press 【**OFF**】.

**Note:**

- During an intercom call, the handset user can switch to the speaker by pressing 【🔊】. To switch back to the receiver, press 【☎】.

### From the base unit to a handset

1. **Base unit:**
   Press 【**INTERCOM**】.
2. To page a specified handset, press its extension number (【**1**】 to 【**8**】).
   OR
   To page all handsets, press 【**0**】.
   - The handset(s) will beep for 1 minute.
   - To stop paging, press 【**SP-PHONE**】 or 【**INTERCOM**】.
3. **Handset:**
   Press 【☎】, 【🔊】, or 【**INTERCOM**】 to answer the page.
4. **Base unit:**
   When the paged party answers, speak into the MIC.
5. **Base unit:**
   When finished talking, press 【**SP-PHONE**】 or 【**INTERCOM**】.

**Note:**

- You can locate a misplaced handset by paging it. **(Handset locator)**
- If you page all handsets, only the handset user who answers first can talk with the base unit.

### From one handset to another handset

Example: When handset 1 calls handset 2.

1. **Handset 1:**
   Press 【**INTERCOM**】, then press the handset's extension number 【**2**】 (desired handset number).
   - The paged handset will beep for 1 minute.
   - To stop paging, press 【**OFF**】.
2. **Handset 2:**
   Press 【☎】, 【🔊】, or 【**INTERCOM**】 to answer.
3. When finished talking, press 【**OFF**】.

## Voice paging

The base unit user can make a voice announcement that is heard through the speakers of all handsets.

**1** Press **【INTERCOM】**, then press **【✳】** (PAGE).
- You will hear a ringback tone (2 short beeps) and the SP-PHONE indicator will flash.

**2** When the SP-PHONE indicator stops flashing, speak into the MIC.
- All handset users will hear your voice through their speakers after it beeps.

**3** When finished, press **【SP-PHONE】** or **【INTERCOM】**.
OR
After one of the handsets answers, talk into the MIC. When finished talking, press **【SP-PHONE】** or **【INTERCOM】**.

**Note:**
- To answer the voice page with a handset, press **【☎】**, **【🔊】**, or **【INTERCOM】**. Only the handset user who answers first can talk with the base unit user.
- A handset user can mute the current voice announcement by placing the handset on the base unit or charger, or by pressing **【OFF】**. Other handsets will continue to hear the announcement.
- If a handset is too close to the base unit, you may hear feedback while making the voice announcement. Place the handset on the base unit or charger or press **【OFF】**.
- The announcement is heard at the handset ringer volume (page 49).
- A handset cannot be paged when it is on the base unit.

# Transferring a call

Outside calls can be transferred between the handset and the base unit, and between the handset and a compatible Panasonic handset (page 5).

## Transferring a call from the handset

**1** During an outside call, press **【INTERCOM】**.
- The call will be put on hold.

**2** To page the base unit, press **【0】**.
To page another handset, press its extension number (**【1】** to **【8】**).

**3** Wait for the paged party to answer.
- The base unit user can answer by pressing **【SP-PHONE】** or **【INTERCOM】**.
- The paged handset user can answer by pressing **【☎】**, **【🔊】**, or **【INTERCOM】**.
- If there is no answer, press **【☎】** or **【🔊】** to return to the outside call.

**4** To complete the transfer, press **【OFF】**.

### Transferring a call without speaking to the paged party

**1** During an outside call, press **【INTERCOM】**.

**2** To page the base unit, press **【0】**.
To page another handset, press its extension number (**【1】** to **【8】**).

**3** Press **【OFF】**.
- The outside call rings at the paged unit.

**Note:**
- If the paged party does not answer the call, press **【☎】** or **【🔊】** to return to the call. If not answered within 1 minute, the

call will ring at your handset again. If you still do not answer the call within 4 minutes, the call will be disconnected.

## Transferring a call from the base unit

**Important:**

- When you page all handsets, only the handset user who answers first can take the transferred call.

**1** During an outside call, press **【INTERCOM】**.
- The call will be put on hold.

**2** To page a specified handset, press its extension number (**【1】** to **【8】**).
To page all handsets, press **【0】**.
To make a voice announcement to all handsets, press **【*】** (PAGE), then speak into the MIC when the SP-PHONE indicator stops flashing.

**3** Wait for the paged party to answer.
- The paged handset user can answer by pressing **【☎】**, **【🔈】**, or **【INTERCOM】**.
- If there is no answer, press **【INTERCOM】** to return to the outside call.

**4** To complete the transfer, press **【SP-PHONE】**.

### Transferring a call without speaking to the paged party

**1** During an outside call, press **【INTERCOM】**.

**2** To page a specified handset, press its extension number (**【1】** to **【8】**).
To page all handsets, press **【0】**.
To make a voice announcement to all handsets, press **【*】** (PAGE), then speak into the MIC when the SP-PHONE indicator stops flashing.

**3** Press **【SP-PHONE】**.
- The outside call rings at the paged handset(s).

**Note:**

- If the paged party does not answer the call, press **【SP-PHONE】** to return to the call. If not answered within 1 minute, the call will ring at the base unit again. If you still do not answer the call within 4 minutes, the call will be disconnected.

## Transferring a call to the answering system

When you answer a call and the caller wants to talk to someone who is not available, you can transfer the caller to the answering system where the caller can leave a message.
Tell the caller beforehand that you will transfer him or her to the answering system.

**1** **Handset:**
Press **【INTERCOM】** during an outside call.
OR
**Base unit:**
Press **【TRANSFER】** during an outside call.
- The call will be put on hold.

**2** Press **【9】** to hang up the call.
- After you press **【9】**, the caller will hear the greeting message, then the caller can leave a message (page 60).

## Conference calls

A conference call allows the handset and the base unit or a compatible Panasonic handset (page 5) to speak together with an outside party.

### Using the handset

**1** During an outside call, press **【INTERCOM】**.
- The call will be put on hold.

**2** To page the base unit, press **【0】**.
To page another handset, press its extension number (**【1】** to **【8】**).

**3** When the paged party answers, press **【CONF】** on your handset to establish a conference call.
- "`Conference`" will be displayed.
- To leave the conference, press **【OFF】**. The other parties can continue the conversation.

**Note:**
- The outside call can be put on hold by pressing **【HOLD】** during a conference call. Communications between extensions are not suspended. Only the person who placed the call on hold can resume the conference by pressing **【CONF】**.
- One more extension can join the conference call. To join a conference call using the base unit, press **【SP-PHONE】**. To join using a handset, press **【📞】** or **【🔈】**. A maximum of 4 parties can join a conference call.
- If 2 handsets are in a conference call and one handset is using the clarity booster feature, a 3rd handset will not be able to join the conference call.

### Using the base unit

**1** During an outside call, press **【INTERCOM】**.
- The call will be put on hold.

**2** To page the desired handset, press its extension number (**【1】** to **【8】**).

**3** When the paged party answers, press **【CONF】** on your base unit to establish a conference call.
- To leave the conference, press **【SP-PHONE】**. The other parties can continue the conversation.

**Note:**
- The outside call can be put on hold by pressing **【HOLD】** during a conference call. Communications between extensions are not suspended. Only the person who placed the call on hold can resume the conference by pressing **【CONF】**.
- One more extension can join the conference call. To join the conference call using a handset, press **【📞】** or **【🔈】**.

# Room monitor

This feature allows you to listen in on a room where the handset or base unit is located. The monitored extension will not ring, allowing you to easily monitor, for example, a baby's room from different areas of the house. If you want to prevent your unit from being monitored by other extensions, leave this feature OFF (default).

## Setting room monitor

### Turning on/off the handset's room monitor feature

This allows the handset to be monitored.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Room monitor`", then press 【SELECT】.

4 Push the joystick up or down repeatedly to select "`On`" or "`Off`".

5 Press 【SAVE】, then press 【OFF】.

### Turning on/off the base unit's room monitor feature

This allows the base unit to be monitored. This feature must be set by using the handset.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Set base unit`", then press 【SELECT】.

4 Scroll to "`Room monitor`", then press 【SELECT】.

5 Push the joystick up or down repeatedly to select "`On`" or "`Off`".

6 Press 【SAVE】, then press 【OFF】.

## Monitoring a room

**Important:**

- Before monitoring, make sure the unit to be monitored is not in use.
- The handset to be monitored must be off the base unit.
- If you receive a phone call while monitoring a room, you will hear 2 tones (page 56, 58). To answer the call with the handset, press 【OFF】, then press 【☎】 or 【🔊】. To answer the call with the base unit, press 【SP-PHONE】 2 times.

### Monitoring with the handset

1 Press 【INTERCOM】, then press 【MONITOR】.

2 To call the base unit, press 【0】.
To call another handset, press its extension number (【1】 to 【8】).
- Your handset will start to monitor the room through the destination unit.
- To monitor from the speaker, press 【🔊】. To switch back to the receiver, press 【☎】.

3 To end monitoring, press 【OFF】.
- The base unit user can stop being monitored by pressing 【INTERCOM】 or 【SP-PHONE】. The monitored handset user can stop being monitored by pressing 【OFF】.

**Note:**

- The monitored handset displays "`Room monitor`".

### Monitoring with the base unit

1. Press **【INTERCOM】**, then press **【MUTE】**.
2. To call the desired handset, press its extension number (**【1】** to **【8】**).
   - The base unit will start to monitor the room through the handset.
3. To end monitoring, press **【INTERCOM】** or **【SP-PHONE】**.
   - The monitored handset user can stop being monitored by pressing **【OFF】**.

**Note:**

- The monitored handset displays "`Room monitor`".
- If the room monitor feature of the destination handset is off or if that handset is on the base unit, a busy tone will be heard.

# Guide to handset programming

For your reference, a chart of all programmable functions is printed below. Details for each item can be found on the corresponding pages. To programme, press **【MENU】** (centre of joystick), push the joystick up, down, left, or right to scroll through the menu, and press **【SELECT】** when the desired menu item or setting is displayed.

**Important:**

- Before programming, make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit or charger.
- You can also programme features using “direct commands”—special codes that take you directly to the feature you wish to programme and allow you to select the desired setting (page 46).

**During programming:**

- To exit programming, press **【OFF】** at any time.
- To go to next page, press **【NEXT】**.
- To go back to the top of the menu, press **【TOP】**.
- To go back to the previous menu, press **【BACK】**, or push the joystick left.

**Monochrome display models: KX-TG5871AL and KX-TGA580AL only**

| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| `Answering device`<br>📼 | `Message playback` | – | 63 |
| | `Message alert` | – | 69 |
| | `Ring count`[*1] | – | 68 |
| | `Recording time`[*1] | – | 68 |
| | `Remote code`[*1] | – | 67 |
| | `Call screening`[*1] | – | 69 |
| `Ringer setting`<br>🎵 | `Ringer volume` | – | 49 |
| | `Ringer tone` | – | 49 |
| | `Customize ring` | – | 50 |
| | `Ring color` | – | 51 |
| `Phonebook`<br>📖 | – | – | 28 |
| `Function`<br>✎ | `Voice enhancer` | – | 52 |
| | `Dial lock`[*1] | – | 52 |

| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| `Initial setting` | `Talking CallerID` | – | 55 |
| | `Set area code` | – | 55 |
| | `Room monitor` | – | 41 |
| | `LCD contrast` | – | 56 |
| | `Key tone` | – | 56 |
| | `Auto talk` | – | 56 |
| | `Interrupt tone` | – | 56 |
| | `Set base unit` | `Ringer volume`[*1] | 57 |
| | | `Ringer tone`[*1] | 57 |
| | | `Interrupt tone`[*1] | 58 |
| | | `Room monitor`[*1] | 41 |
| | | `Talking CallerID`[*1] | 58 |
| | `Set tel line` | `Set dial mode`[*1] | 77 |
| | | `Set recall time`[*1] | 56 |
| | | `Set line mode`[*1] | 57 |
| | `Registration` | `HS registration` | 59 |
| | | `Deregistration` | 58 |
| `Set date & time` | `Date and time`[*1] | – | 19 |
| | `Time adjustment`[*1] | – | 59 |

**Colour display models: KX-TGA582AL only**

| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| `Answering device` | `Message playback` | – | 63 |
| | `Message alert` | – | 69 |
| | `Ring count`[*1] | – | 68 |
| | `Recording time`[*1] | – | 68 |
| | `Remote code`[*1] | – | 67 |
| | `Call screening`[*1] | – | 69 |
| `Ringer setting` | `Ringer volume` | – | 49 |
| | `Ringer tone` | – | 49 |
| | `Customize ring` | – | 50 |
| | `Ring color` | – | 51 |
| `Display setting` | `Wallpaper` | – | 54 |
| | `Appearance` | – | 55 |
| | `LCD contrast` | – | 55 |

| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| `Function`<br>✎ | `Voice enhancer` | – | 52 |
| | `Dial lock`[*1] | – | 52 |
| | `Memory status` | – | 53 |
| `Initial setting`<br>🔧 | `Talking CallerID` | – | 55 |
| | `Set area code` | – | 55 |
| | `Room monitor` | – | 41 |
| | `Key tone` | – | 56 |
| | `Auto talk` | – | 56 |
| | `Interrupt tone` | – | 56 |
| | `Set base unit` | `Ringer volume`[*1] | 57 |
| | | `Ringer tone`[*1] | 57 |
| | | `Interrupt tone`[*1] | 58 |
| | | `Room monitor`[*1] | 41 |
| | | `Talking CallerID`[*1] | 58 |
| | `Set tel line` | `Set dial mode`[*1] | 77 |
| | | `Set recall time`[*1] | 56 |
| | | `Set line mode`[*1] | 57 |
| | `Registration` | `HS registration` | 59 |
| | | `Deregistration` | 58 |
| `Set date & time`<br>🕒 | `Date and time`[*1] | – | 19 |
| | `Time adjustment`[*1] | – | 59 |

[*1] If you programme these settings using one of the handsets, you will not need to programme the same item using another handset.

# Programming via direct commands

You can also programme features using “direct commands”—special codes that take you directly to the feature you wish to programme and allow you to select the desired setting. There is no need to scroll through the unit’s menus.
Details of each feature can be found on the corresponding pages.

**Important:**

- Before programming, make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit or charger.

**1** Press **【MENU】** (centre of joystick), then press **【♯】**.

```
Enter direct No.
:
```

**2** Enter the desired feature code (shown below).

**3** Enter the desired setting code (shown below).

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

**4** Press **【SAVE】**.

**5** Press **【OFF】** to exit programming mode.

**Note:**

- If the handset beeps 3 times, you entered an invalid code. Enter the correct code.
- If you make a mistake or enter the wrong code, press **【OFF】** then start again by pressing **【MENU】**.

## Direct commands chart

**Important:**

- The default settings are indicated by *.

| Feature | Feature code | Setting code | Page |
|---|---|---|---|
| Date and time | **【1】【0】【1】** | Enter date and time.<br>(Default: 31.12.2005) | 19 |
| Set dial mode | **【1】【2】【0】** | See page 77. | 77 |
| Set recall time | **【1】【2】【1】** | **【1】**: 700 ms **【2】**: 600 ms<br>**【3】**: 400 ms **【4】**: 300 ms<br>**【5】**: 250 ms **【6】**: 110 ms<br>**【7】**: 100 ms* **【8】**: 90 ms | 56 |
| Set line mode | **【1】【2】【2】** | **【1】**: A **【2】**: B* | 57 |
| HS registration | **【1】【3】【0】** | Go to step 5 on page 59. | 59 |
| Deregistration | **【1】【3】【1】** | **【3】【3】【5】** | 58 |

| Feature | Feature code | Setting code | Page |
|---|---|---|---|
| LCD contrast (Handset) | 【1】【4】【5】 | 【1】: Level 1 【2】: Level 2<br>【3】: Level 3* 【4】: Level 4<br>【5】: Level 5 【6】: Level 6 | 55, 56 |
| Ringer volume (Handset) | 【1】【6】【0】 | 【1】: Low 【2】: Medium<br>【3】: High* 【0】: Off | 49 |
| Ringer tone<br>Tone & Melody<br>(Handset) | 【1】【6】【1】 | Scroll to "`Tone & Melody`", then press 【SELECT】.<br>【1】: Tone 1* 【2】: Tone 2<br>【3】: Tone 3 【4】: Melody 1<br>【5】: Melody 2 【6】: Melody 3<br>【7】: Melody 4 | 49 |
| Ringer tone<br>Customised ring<br>(Handset) | 【1】【6】【1】 | Go to step 4 on page 49. | 49 |
| Talking Caller ID (Handset) | 【1】【6】【2】 | 【1】: On* 【0】: Off | 55 |
| Key tone (Handset) | 【1】【6】【5】 | 【1】: On* 【0】: Off | 56 |
| Customise ring (Handset) | 【1】【6】【6】 | See page 50. | 50 |
| Auto talk | 【2】【0】【0】 | 【1】: On 【0】: Off* | 56 |
| Interrupt tone (Handset) | 【2】【0】【1】 | 【1】: On 【2】: 2 times* 【0】: Off | 56 |
| Room monitor (Handset) | 【2】【0】【2】 | 【1】: On 【0】: Off* | 41 |
| Ring count | 【2】【1】【1】 | 【2】: 2 rings 【3】: 3 rings<br>【4】: 4 rings* 【5】: 5 rings<br>【6】: 6 rings 【7】: 7 rings<br>【0】: Toll saver | 68 |
| Time adjustment | 【2】【2】【6】 | 【1】: Caller ID[auto]* 【2】: Manual | 59 |
| Ring colour | 【2】【3】【5】 | 【1】: Colour 1* 【2】: Colour 2<br>【3】: Colour 3 【4】: Multicolour | 51 |
| Dial lock | 【2】【5】【1】 | Go to step 4 on page 52. | 52 |
| Set area code | 【2】【5】【5】 | Go to step 4 on page 55. | 55 |
| Voice enhancer | 【2】【7】【0】 | 【1】: On 【0】: Off* | 52 |
| Message playback | 【3】【0】【0】 | – | 63 |
| Recording time | 【3】【0】【5】 | 【1】: 1 minute 【2】: 2 minutes<br>【3】: 3 minutes* 【0】: Greeting only | 68 |
| Remote code | 【3】【0】【6】 | Enter remote code.<br>(Default: 11) | 67 |

| Feature | Feature code | Setting code | Page |
|---|---|---|---|
| Call screening | 【3】【1】【0】 | 【1】: On* 【0】: Off | 69 |
| Message alert | 【3】【4】【0】 | 【1】: On 【0】: Off* | 69 |
| Ringer volume (Base unit) | 【*】【1】【6】【0】 | 【1】: Low 【2】: Medium<br>【3】: High* 【0】: Off | 57 |
| Ringer tone (Base unit) | 【*】【1】【6】【1】 | 【1】: Tone 1* 【2】: Tone 2<br>【3】: Tone 3 【4】: Melody 1<br>【5】: Melody 2 【6】: Melody 3<br>【7】: Melody 4 | 57 |
| Talking Caller ID (Base unit) | 【*】【1】【6】【2】 | 【1】: On* 【0】: Off | 58 |
| Interrupt tone (Base unit) | 【*】【2】【0】【1】 | 【1】: On 【2】: 2 times* 【0】: Off | 58 |
| Room monitor (Base unit) | 【*】【2】【0】【2】 | 【1】: On 【0】: Off* | 41 |

**Direct commands chart (Colour display models: KX-TGA582AL only)**

| Feature | Feature code | Setting code | Page |
|---|---|---|---|
| Wallpaper | 【1】【8】【1】 | Go to step 4 on page 54. | 54 |
| Appearance | 【1】【8】【2】 | 【1】: Colour 1* 【2】: Colour 2<br>【3】: Colour 3 【4】: Colour 4 | 55 |
| Memory status | 【6】【7】【0】 | Confirm memory status. | 53 |

# Ringer settings ♪

## Handset ringer volume

4 levels (high/medium/low/off) are available.

1 Press **【MENU】** (centre of joystick).

2 Scroll to ♪, then press **【SELECT】**.

3 Scroll to "`Ringer volume`", then press **【SELECT】**.

4 Push the joystick up or down repeatedly to select the desired volume.
   - To turn the ringer off, push the joystick down repeatedly until "`Off ?`" is displayed.

5 Press **【SAVE】**.

**Note:**

- When the ringer volume is set to off, the handset will not ring for outside calls. The handset will ring at the low level for intercom calls.
- When the ringer volume is set to off, the handset will not announce caller names (page 33).

## Handset ringer tone

You can change the ringer tone heard when an outside call is received. There are 3 tones, 4 melodies, and 2 songs.

**Important:**

- You can record songs for the handset ringer tone from an audio device. See "Recording songs from an audio device for ringer tones" on page 50.
- Colour display models (KX-TGA582AL only):
  You can download songs (in wave file format) for the handset ringer tone from a PC. For information on using this feature, refer to the help section of the GIGARANGE USB Utility software for details. If you have not installed the GIGARANGE USB Utility software, refer to the included "Installation Guide for GIGARANGE USB Utility" for details.

1 Press **【MENU】** (centre of joystick).

2 Scroll to ♪, then press **【SELECT】**.

3 Scroll to "`Ringer tone`", then press **【SELECT】**.

4 To select a tone or melody, scroll to "`Tone & Melody`", then press **【SELECT】**.
OR
To select a song, scroll to "`Customized ring`", then press **【SELECT】**.

5 Push the joystick up or down repeatedly to select the desired item.
   - If the ringer volume has been turned off, the handset will not ring.

6 Press **【SAVE】**, then press **【OFF】**.

**Note:**

- If you select a melody or a song, the ringer will continue to sound for several seconds if:

  - the caller hangs up before you answer the call.
  - another person answers the call using another phone connected on the same line.
- The preset song “`Demo1`” in this product is used with permission of © 2005 Speed Crazy.
- The preset song “`Demo2`” in this product is used with permission of © 2005 M-ZoNE Co., Ltd.

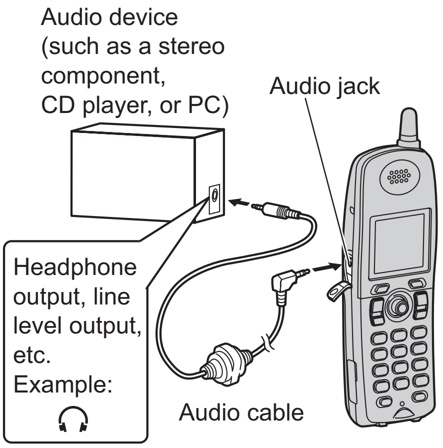
## Recording songs from an audio device for ringer tones (Customise ring)

You can record songs (max. 30 seconds each) from an audio device by connecting the included audio cable. These songs can be assigned as the handset ringer tone (page 49) and the ringer ID (page 34) for phone numbers stored in the phonebook.

**Important:**

- If a call is received while the audio cable is connected to the handset, disconnect the audio cable from the handset and answer the call, or you and the caller will not hear each other’s voice.
- If a call is received while a song is being recorded or played back, recording or playback will stop automatically. If recording, the partially recorded song will be saved. The caller will hear the song being played and you and the caller will not be able to hear each other’s voice until you disconnect the audio cable from the handset.

**1** Connect the audio device to the handset using the included audio cable.


Audio device
(such as a stereo component, CD player, or PC)
Audio jack
Headphone output, line level output, etc.
Example:
Audio cable

**2** Press **【MENU】** (centre of joystick).

**3** Scroll to ♪, then press **【SELECT】**.

**4** Scroll to “`Customize ring`”, then press **【SELECT】**.

**5** Scroll to “`Record`”, then press **【SELECT】**.
- The remaining recording time will be displayed.

**6** Press play on the audio device.
- For better sound quality, increase the volume on the audio device.
- To adjust the handset speaker volume, push the joystick up or down repeatedly.

**7** Press **【REC.】** to start recording.

**8** To stop recording, press **【STOP】**.
- To listen to the recording, scroll to “`Playback`”, then press **【SELECT】**.
- To re-record, scroll to “`Retry`”, press **【SELECT】**, then start from step 7.

**9** Scroll to “`Save`”, then press **【SELECT】**.

**10** Enter the desired name (max. 15 characters, page 27).

**11** Press **【SAVE】**, then press **【OFF】**.

**12** Disconnect the audio cable from the handset.

**Note:**

- KX-TG5871AL and KX-TGA580AL only: The total recording time is 90 seconds.
- KX-TGA582AL only:
  Recorded songs are stored in the same memory storage space as downloaded pictures. If no pictures are stored in the memory, the total recording time is about 7 minutes. Therefore, depending on the data size of the pictures you downloaded, the total recording time will change. To confirm the handset memory for songs and pictures, see page 53.

### Playing back a song

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to ♫, then press **【SELECT】**.

**3** Scroll to "`Customize ring`", then press **【SELECT】**.

**4** Scroll to "`Playback`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired song.

**6** Press **【PLAY】**.
- The song will be replayed for 1 minute.

**7** Press **【STOP】**, then press **【OFF】**.

### Erasing a song

While the song is selected or playing, press **【ERASE】** or **【CLEAR】**, then press **【YES】**.

**Note:**

- If the erased song was used for the handset ringer (page 49), "`Tone 1`" (default) will be used instead of that song.
- If the erased song was assigned to certain callers (Ringer ID, page 34), the Ringer ID assignment will be cancelled, and the handset ringer tone (page 49) will be used instead of that song.

### Changing the name of a song

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to ♫, then press **【SELECT】**.

**3** Scroll to "`Customize ring`", then press **【SELECT】**.

**4** Scroll to "`Rename`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired song.

**6** Press **【RENAME】**.

**7** Edit the name (max. 15 characters, page 27).

**8** Press **【SAVE】**, then press **【OFF】**.

## Ring colour

You can change the ringer indicator colour used when an outside call is received. Select "`Color1`" (amber), "`Color2`" (blue), "`Color3`" (green), or "`Multicolor`".

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to ♫, then press **【SELECT】**.

**3** Scroll to "`Ring color`", then press **【SELECT】**.

**4** Push the joystick up or down repeatedly to select the desired ringer indicator colour.

**5** Press **【SAVE】**, then press **【OFF】**.

# Function ✎

## Voice enhancer

You can turn the voice enhancer feature on or off.

1. Press 【MENU】 (centre of joystick).
2. Scroll to ✎, then press 【SELECT】.
3. Scroll to "`Voice enhancer`", then press 【SELECT】.
4. Push the joystick up or down repeatedly to select "`On`" or "`Off`".
   - When turned on, **VE** will be displayed.
5. Press 【SAVE】, then press 【OFF】.

## Dial lock

This feature prohibits making outside calls. You can turn dial lock on or off for all units using a handset.

**Important:**

- **When dial lock is turned on, only phone numbers stored in the phonebook as emergency numbers (numbers stored with a # at the beginning of the name) can be dialled using the phonebook (page 26). We recommend storing emergency numbers in the phonebook before using this feature.**
- When dial lock is turned on, you cannot store, edit, or erase items in the phonebook.

### To turn dial lock on

1. Press 【MENU】 (centre of joystick).
2. Scroll to ✎, then press 【SELECT】.
3. Scroll to "`Dial lock`", then press 【SELECT】.
4. Enter a 4-digit password.
   - This password is required when turning dial lock off. We recommend writing the password down.
5. Press 【SAVE】.
6. Press 【YES】.
   - "`Dial lock on`" will be displayed.
7. Press 【OFF】.

**Note:**

- If dial lock is turned on, the handset displays "`Dial lock`". While there are missed calls or new messages, "`Dial lock`" is not displayed.

### To turn dial lock off

1. Press 【MENU】 (centre of joystick).
2. Scroll to ✎, then press 【SELECT】.
3. Scroll to "`Dial lock`", then press 【SELECT】.
4. Enter the same password that was entered when dial lock was turned on.
5. Press 【SAVE】.
6. Press 【YES】.
   - "`Dial lock off`" will be displayed.
7. Press 【OFF】.

**Note:**

- If you forget the password, consult your nearest Panasonic service centre.

## Memory status (Colour display models only)

**Important:**

- Only the KX-TGA582AL supports this feature.

You can confirm the amount of handset memory used for your pictures, wallpaper patterns, and songs.
A maximum of 126 individual files can be stored in memory (in addition to the preset pictures and songs).
Depending on the size of each file, the number of files which can be stored will decrease.

**Memory usage**

| File type | Quantity | Memory used |
|---|---|---|
| Wallpaper | 1 pattern | 1 % |
| Picture ID | 3 patterns | 1 % |
| Song (customised ring) | 30 seconds | 7 % |

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to 🔧, then press **【SELECT】**.

**3** Scroll to "`Memory status`", then press **【SELECT】**.

Example:

```
Used:47%
Wallpaper:10
Picture ID:6
Custom ring:5
   Total= 21/126
```

47% of memory used
10 wallpaper patterns stored
6 pictures stored
5 songs stored
Total 21 files stored

**4** Press **【OFF】**.

**Note:**

- Data files are retained even if the handset battery is removed or discharged.

### Erasing a picture or song

**1** Follow steps 1 to 3 of "Memory status".

**2** Press **【MENU】** (centre of joystick).

**3** Push the joystick up or down repeatedly to select "`1 wallpaper`", "`1 picture ID`", or "`1 Custom ring`", then press **【SELECT】**.

**4** Push the joystick up or down repeatedly to select the desired item.
- To view the name of picture, press **【LIST】**. To return to the picture, press **【VIEW】**.

**5** Press **【ERASE】**.
- To cancel erasing, press **【NO】**.

**6** Press **【YES】**.
- To continue erasing additional data, repeat from step 4.

**7** Press **【OFF】**.

### Erasing all pictures or songs

**1** Follow steps 1 to 3 of "Memory status".

**2** Press **【MENU】** (centre of joystick).

**3** Push the joystick up or down repeatedly to select "`All wallpapers`", "`All picture ID`", or "`All Custom ring`", then press **【SELECT】**.
- To cancel erasing, press **【NO】**.

**4** Press **【YES】**.
- To continue erasing additional data, repeat from step 3.

**5** Press **【OFF】**.

# Display setting 🖼 (Colour display models only)

**Important:**

- Only the KX-TGA582AL supports these features.

## Wallpaper

You can select the “wallpaper” pattern shown on the display in standby mode. There are 3 preset patterns.
You can also download your original pictures from a PC. Refer to the help section of the GIGARANGE USB Utility software for details. If you have not installed the GIGARANGE USB Utility software, refer to the included “Installation Guide for GIGARANGE USB Utility” for details.

1. Press **〔MENU〕** (centre of joystick).
2. Scroll to 🖼, then press **〔SELECT〕**.
3. Scroll to “`Wallpaper`”, then press **〔SELECT〕**.
4. Scroll to “`Set picture`”, then press **〔SELECT〕**.
   - To turn the wallpaper feature off, select “`Turn off`”. The display colour will change to the colour you selected for colour (see “Handset display colour” on page 55).
5. To select a preset pattern, scroll to “`Fixed data`”, then press **〔SELECT〕**.
   OR
   To select your original picture, scroll to “`User data`”, then press **〔SELECT〕**.
6. Push the joystick up or down repeatedly to select the desired pattern.
   - To view the picture name, press **〔LIST〕**. To return to the picture, press **〔VIEW〕**.
7. Press **〔SAVE〕**, then press **〔OFF〕**.

**Note:**

- The preset patterns “`Wallpaper1`” and “`Wallpaper2`” in this product are used with permission of © 2005 Digital Archive Japan, Inc.
- The preset pattern “`Wallpaper3`” in this product is used with permission of © 2005 MIXA Co., Ltd.
- If you have missed calls or new messages, the selected wallpaper pattern will not be displayed while the handset is off the base unit or charger. The display will indicate that you have missed calls or new messages instead.

### Erasing a picture from the “User data”

1. Press **〔MENU〕** (centre of joystick).
2. Scroll to 🖼, then press **〔SELECT〕**.
3. Scroll to “`Wallpaper`”, then press **〔SELECT〕**.
4. Scroll to “`Set picture`”, then press **〔SELECT〕**.
5. Scroll to “`User data`”, then press **〔SELECT〕**.
6. Push the joystick up or down repeatedly to select the desired picture.
7. Press **〔CLEAR〕**.
   - To cancel erasing, press **〔NO〕**.
8. Press **〔YES〕**.
   - To erase another picture, repeat from step 6.
9. Press **〔OFF〕**.

**Note:**

- If the erased picture was selected for the wallpaper, “`Wallpaper1`” (default) will be used instead of that picture.

### Handset display colour (Appearance)

You can select the desired display colour.

1 Press 〔MENU〕 (centre of joystick).

2 Scroll to 🖼, then press 〔SELECT〕.

3 Scroll to "`Appearance`", then press 〔SELECT〕.

4 Push the joystick up or down repeatedly to select the desired colour.

5 Press 〔SAVE〕, then press 〔OFF〕.

### Handset LCD contrast

You can adjust the handset display contrast. There are 6 levels.

1 Press 〔MENU〕 (centre of joystick).

2 Scroll to 🖼, then press 〔SELECT〕.

3 Scroll to "`LCD contrast`", then press 〔SELECT〕.

4 Push the joystick up or down repeatedly to select the desired setting.

5 Press 〔SAVE〕, then press 〔OFF〕.

## Initial setting 🛠

### Handset Talking Caller ID

You can turn the Talking Caller ID feature (page 33) on or off for the handset.

1 Press 〔MENU〕 (centre of joystick).

2 Scroll to 🛠, then press 〔SELECT〕.

3 Scroll to "`Talking CallerID`", then press 〔SELECT〕.

4 Push the joystick up or down repeatedly to select "`On`" or "`Off`".

5 Press 〔SAVE〕, then press 〔OFF〕.

### Storing your area code

We recommend storing your area code before using Caller ID (page 32). Calls from the same area will be recorded in the caller list without the area code. You do not have to remove it before calling back the caller or storing in the phonebook.

1 Press 〔MENU〕 (centre of joystick).

2 Scroll to 🛠, then press 〔SELECT〕.

3 Scroll to "`Set area code`", then press 〔SELECT〕.

4 Enter your area code (max. 8 digits).
  - To correct a digit, use the joystick to move the cursor, then press 〔CLEAR〕. Enter the correct number.

5 Press 〔SAVE〕, then press 〔OFF〕.

**To erase your area code**

Press and hold 〔CLEAR〕 in step 4, press 〔SAVE〕, then press 〔OFF〕.

## Handset LCD contrast (Monochrome display models only)

**Important:**

- Only the KX-TG5871AL and KX-TGA580AL support this feature.

You can adjust the handset display contrast. There are 6 levels.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`LCD contrast`", then press 【SELECT】.

4 Push the joystick up or down repeatedly to select the desired setting.

5 Press 【SAVE】, then press 【OFF】.

## Handset key tone

You can select whether or not key tones are heard when keys are pressed. Includes confirmation tones and error tones.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Key tone`", then press 【SELECT】.

4 Push the joystick up or down repeatedly to select "`On`" or "`Off`".

5 Press 【SAVE】, then press 【OFF】.

## Auto talk

When this feature is turned on, you can answer a call by lifting the handset off the base unit or charger without pressing 【☎】.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Auto talk`", then press 【SELECT】.

4 Push the joystick up or down repeatedly to select "`On`" or "`Off`".

5 Press 【SAVE】, then press 【OFF】.

**Note:**

- If you subscribe to Caller ID service and want to view the caller's information on the handset display after lifting up the handset to answer a call, turn off this feature.

## Handset interrupt tone

This tone lets you know when you receive a call while you are on an intercom call or monitoring a room.
"`2`": The tone will sound 2 times.
"`On`": The tone will sound for as long as the line rings.
"`Off`": Turns this feature off.

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Interrupt tone`", then press 【SELECT】.

4 Push the joystick up or down repeatedly to select the desired setting.

5 Press 【SAVE】, then press 【OFF】.

## Recall time

The recall time depends on your telephone exchange or host PBX.
You can select: "`90ms`" (milliseconds), "`100ms`", "`110ms`", "`250ms`", "`300ms`", "`400ms`", "`600ms`", or "`700ms`".

1 Press 【MENU】 (centre of joystick).

2 Scroll to 🔧, then press 【SELECT】.

3 Scroll to "`Set tel line`", then press 【SELECT】.

**4** Scroll to "`Set recall time`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired setting.

**6** Press **【SAVE】**, then press **【OFF】**.

**Note:**

- You can access Telstra's "EASY CALL" service by having the recall time set at 100 ms, and then follow Telstra's "EASY CALL" instructions to operate this service.
- If the unit is connected via a PBX, certain PBX functions (call transferring, etc.) may not work correctly. Consult your PBX supplier for the correct setting.

## Line mode

The line mode is preset to "`B`" and generally should not be adjusted. If **IN USE** on the handset is not displayed and the IN USE indicator on the base unit does not light properly when another phone connected to the same line is in use, the line mode selection is incorrect. Set line mode to "`A`".

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to 🔧, then press **【SELECT】**.

**3** Scroll to "`Set tel line`", then press **【SELECT】**.

**4** Scroll to "`Set line mode`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired setting.

**6** Press **【SAVE】**, then press **【OFF】**.

## Base unit settings

These features can be set by using the handset.

### Base unit ringer volume

You can also adjust the base unit ringer volume from the base unit (page 25).

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to 🔧, then press **【SELECT】**.

**3** Scroll to "`Set base unit`", then press **【SELECT】**.

**4** Scroll to "`Ringer volume`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired volume.

- To turn the ringer off, push the joystick down repeatedly until "`Off ?`" is displayed.

**6** Press **【SAVE】**, then press **【OFF】**.

### Base unit ringer tone

You can also change the base unit ringer tone from the base unit (page 25).

**1** Press **【MENU】** (centre of joystick).

**2** Scroll to 🔧, then press **【SELECT】**.

**3** Scroll to "`Set base unit`", then press **【SELECT】**.

**4** Scroll to "`Ringer tone`", then press **【SELECT】**.

**5** Push the joystick up or down repeatedly to select the desired setting.

- If the ringer volume has been turned off, the base unit will not ring.

**6** Press **【SAVE】**, then press **【OFF】**.

### Base unit interrupt tone

This tone lets you know when you receive a call while you are on an intercom call or monitoring a room.
“`2`”: The tone will sound 2 times.
“`On`”: The tone will sound for as long as the line rings.
“`Off`”: Turns this feature off.

1. Press 【**MENU**】 (centre of joystick).
2. Scroll to 🔧, then press 【**SELECT**】.
3. Scroll to “`Set base unit`”, then press 【**SELECT**】.
4. Scroll to “`Interrupt tone`”, then press 【**SELECT**】.
5. Push the joystick up or down repeatedly to select the desired setting.
6. Press 【**SAVE**】, then press 【**OFF**】.

### Base unit Talking Caller ID

You can turn the Talking Caller ID feature (page 33) on or off for the base unit.

1. Press 【**MENU**】 (centre of joystick).
2. Scroll to 🔧, then press 【**SELECT**】.
3. Scroll to “`Set base unit`”, then press 【**SELECT**】.
4. Scroll to “`Talking CallerID`”, then press 【**SELECT**】.
5. Push the joystick up or down repeatedly to select “`On`” or “`Off`”.
6. Press 【**SAVE**】, then press 【**OFF**】.

## Cancelling the handset registration

If you no longer need to use the handset or if you want to use the handset with a different base unit of the same model, it is necessary to cancel the handset’s registration from the current base unit.

**Important:**

- Before cancelling, make sure the base unit is not being used.
- Have the handset and base unit near each other when cancelling the handset.

1. Press 【**MENU**】 (centre of joystick).
2. Scroll to 🔧, then press 【**SELECT**】.
3. Scroll to “`Registration`”, then press 【**SELECT**】.
4. Scroll to “`Deregistration`”, then press 【**SELECT**】.
5. Enter 【**3**】 【**3**】 【**5**】.
6. Press 【**OK**】.
   - The handset’s extension number (**1** to **8**) will disappear from the display.
   - If the handset beeps 3 times, you entered a wrong code. Enter “335”, then press 【**OK**】.

### Registering the handset

If you want to use the handset with a different base unit of the same model, register it to that base unit. The handset will be given a new extension number of that base unit.

**Important:**

- Before registering, make sure the base unit and the other handsets are not being used.
- Have the handset and base unit near each other when registering the handset.
- If you have already cancelled the handset registration at the previous base unit, start from step 5.

1. **Handset:**
   Press 【MENU】 (centre of joystick).
2. Scroll to 🔧, then press 【SELECT】.
3. Scroll to "`Registration`", then press 【SELECT】.
4. Scroll to "`HS registration`", then press 【SELECT】.
5. **Base unit:**
   Press and hold 【INTERCOM】 until the CHARGE indicator flashes.
   - After the CHARGE indicator starts flashing, the rest of the procedure must be completed within 1 minute.
6. **Handset:**
   Press 【OK】 (right soft key), then wait until the handset beeps.
   - Registration is complete.
   - The handset's new extension number (❶ to ❽) will be displayed.

## Set date & time 🕒

### Time adjustment (Caller ID subscribers only)

Using this feature, the unit's date and time setting will be automatically adjusted when caller information is received. To turn this feature on, select "`Caller ID[auto]`". To turn off, select "`Manual`".

1. Press 【MENU】 (centre of joystick).
2. Scroll to 🕒, then press 【SELECT】.
3. Scroll to "`Time adjustment`", then press 【SELECT】.
4. Push the joystick up or down repeatedly to select "`Manual`" or "`Caller ID[auto]`".
5. Press 【SAVE】, then press 【OFF】.

**Note:**

- To use this feature, set the date and time manually first (page 19).

## Answering system

The unit contains an answering system which can answer and record calls for you when you are unavailable to answer the phone.
For details about memory capacity, see page 65.

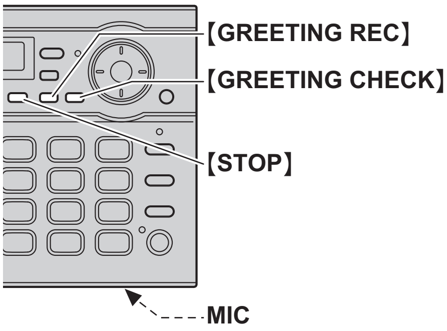
**Important:**

- 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 (page 19).
- You can select the caller's recording time (page 68).

## Recording your greeting message

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

**Sample greeting message:** "*This is (your name). We are unable to answer the phone right now. Please leave a message after the beep. Thank you.*"



1. Press **{GREETING REC}**.
   - The unit announces "*To record greeting, press record again.*"
2. Within 10 seconds, press **{GREETING REC}** again.
3. After the unit beeps, speak clearly about 20 cm away from the MIC.
   - The display will show the elapsed recording time.
4. To stop recording, press **{GREETING REC}** or **{STOP}**.

**Note:**

- If the greeting message is less than 1 second long, the unit beeps 6 times and announces, "*Your greeting was not recorded. Record your greeting again.*"

**To play back the greeting message**

Press **【GREETING CHECK】**.

### Erasing your greeting message

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

- If you do not re-record your greeting message, the unit will use a pre-recorded greeting message.

### Pre-recorded greeting message

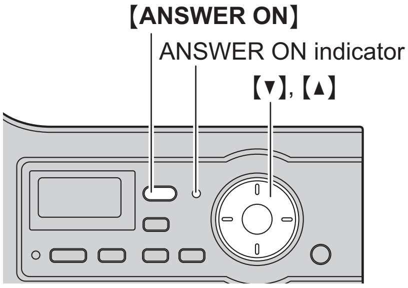
If you do not record a greeting message, one of 2 pre-recorded messages will be played when a call is received depending on the caller's recording time (page 68).

– When the recording time is set to "`1min`", "`2min`", or "`3min`":
"*Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call.*"

– When the recording time is set to "`Greeting only`":
"*Hello, we are not available now. Please call again. Thank you for your call.*"

To play back the pre-recorded greeting, press **【GREETING CHECK】**.

## Turning the answering system on/off



Press **【ANSWER ON】**.

- When the answering system is turned on, the ANSWER ON indicator lights and the unit announces "*Answer set*" and the day and time.
- When the answering system is turned off, the ANSWER ON indicator turns off and the unit announces "*Answer off*".

### Screening your calls

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

**Note:**

- To turn the speaker volume off while screening a call, decrease the speaker volume to "0" by pressing 【▼】.
- To turn this feature off, see page 69.

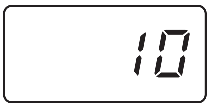
# Listening to messages

When new messages have been recorded:

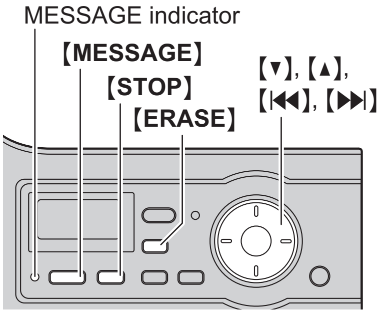
– The MESSAGE indicator on the base unit will flash.

– The message indicator on the handset will flash slowly if the message alert feature is turned on (page 69).

The base unit display will show the number of messages (old and new) recorded by the answering system.
Example: The total number of recorded messages is 10.



## Listening to messages using the base unit



Press **【MESSAGE】**.

- The unit will announce the number of new messages and will play back the new messages.
- When you have no new messages, the unit will announce “*No new messages. All message playback*”, and will play back all messages.

**Note:**

- The display shows the message number during playback.
- During playback, the unit will announce the day and time that each message was recorded. **(Voice time/day stamp)**
- At the end of the last message, the unit announces “*End of final message*”.
- While listening to messages using the handset, the IN USE indicator on the base unit lights.

**To adjust the speaker volume**

9 levels (high to off) are available. Press **【▲】** or **【▼】** repeatedly while using the answering system.

**Repeating a message**

Press **【|◀◀】** while listening to the message.

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

**Skipping a message**

Press **【▶▶|】** to play the next message.

**Pausing message playback**

Press **【STOP】**.

- To resume playback, press **【MESSAGE】**.
- To stop playback completely, press **【STOP】** again.

**Erasing a specific message**

Press **【ERASE】** while listening to the message you want to erase.

**Erasing all messages**

**1** Press **【ERASE】** while the base unit is not being used.

  - The unit will announce “*To erase all messages, press ERASE again.*”

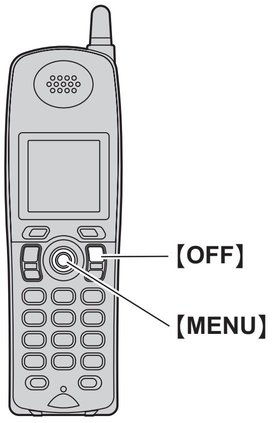
**2** Within 10 seconds, press **【ERASE】** again.

- The unit will announce "*No messages*".

**Note:**

- Caller information for the erased messages will remain in the caller list.

## Listening to messages using the handset



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

- Colour display models (KX-TGA582AL only): If you have both new messages and missed calls and you selected a wallpaper pattern to be shown on the display (page 54), the handset will not display "`New message`" while it is on the base unit or charger.

**1** Press 【MENU】 (centre of joystick).

**2** Press 【PLAY】.

- The unit will announce the number of new messages, and will play back the new messages.
- To switch to the receiver and to listen to the messages with privacy, press 【☎】. You can switch back to the speaker by pressing 【🔈】.
- When you have no new messages, the unit will announce "*No new messages. All message playback*", and will play back all messages.
- After the last message is played back, the unit's voice guidance starts. Follow the guidance as necessary.

**3** Press 【OFF】 when finished.

**Note:**

- Adjust the speaker or receiver volume by pushing the joystick up or down.
- You can also play back messages as follows:
  Press 【MENU】 (centre of joystick), press 【SELECT】 at 📼, then press 【SELECT】 at "`Message playback`".
- At the end of the last message, the unit announces "*End of final message*".

### Repeating a message

Push the joystick left while listening to the message.

- If pushed within the first 5 seconds of a message, the previous message will be played.

### Skipping a message

Push the joystick right to play the next message.

### Voice guidance

If you do not press any buttons after the last message is played back, the unit's voice guidance starts. Operate the answering system by following the guidance as necessary.
The unit will announce "*Press 4 to play back new messages. Press 5 to play back all messages.*"

- You can press buttons for other playback options (page 64) even if the voice guidance has started.
- If you do not press any button within 10 seconds after the voice guidance, the handset returns to standby mode.

**Answering system commands**

You can also operate the answering system by pressing dial keys.
To use the following commands, press **【MENU】** (centre of joystick), then press **【PLAY】**.

| Key | Command |
|---|---|
| **【1】** | Repeat message (during playback)[*1] |
| **【2】** | Skip message (during playback) |
| **【4】** | Play new messages |
| **【5】** | Play all messages |
| **【8】** | Turn answering system on |
| **【9】** | Stop playback[*2] |
| **【0】** | Turn answering system off |
| **【CLEAR】** or **【✱】【4】** | Erase this message (during playback) |
| **【✱】【5】** | Erase all messages |

[*1] If pressed within the first 5 seconds of a message, the previous message will be played.

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

**Calling back (Caller ID subscribers only)**

If Caller ID information was received for the call, you can call the caller back while listening to a message.
Press **【CALL】** during playback.

**Note:**

- To edit the number before calling back, press **【EDIT】** and edit the number (page 36). Press **【CALL】**, **【☎】**, or **【🔈】**.

## Recording a voice memo

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

1. Press **【MEMO】**.
2. After the unit beeps, speak clearly about 20 cm away from the MIC.
   - The display will show the elapsed recording time.
3. To stop recording, press **【MEMO】** or **【STOP】**.

**Note:**

- Voice memos are treated as new messages.
- If your memo message is less than 1 second long, the unit beeps 6 times and announces, “*Your message was not recorded. Record your message again.*”
- When voice memos are played on the handset, “MEMO” will be displayed.

## Memory capacity

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

- If message memory becomes full:
  - FULL flashes on the base unit.
  - the ANSWER ON indicator flashes rapidly (if the answering system is turned on).
  - the unit announces "*Memory full*" when operating the answering system.

  To record additional messages, erase unnecessary messages.
- If less than 3 minutes of recording time is available, the unit will announce the remaining recording time when operating the answering system.
- Messages are retained even if a power failure occurs. All messages are saved until you erase them. **(Flash memory message backup)**
- The total recording capacity may be reduced by the calling party's background noise.

**Note:**

- If message memory becomes full, the unit will automatically switch to the "`Greeting only`" mode. New messages will not be recorded. If you have recorded your own greeting message, that same greeting message will be announced to callers even though their messages will not be recorded. If you have not recorded your own greeting message, the pre-recorded message used for "`Greeting only`" mode will be announced to callers (page 61).

## Remote operation

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

**Important:**

- In order to operate the answering system remotely, you must first set a remote code (page 67). This code must be entered each time you operate the answering system remotely.

### Using the answering system remotely

1. Dial your phone number from a touch tone phone.
   - If the ring count is set to "`Toll saver`" (page 68), the number of rings you hear will indicate whether or not you have new messages.
2. After the greeting message starts, enter your remote code.
   - The unit will announce the number of new messages, and will play back the new messages.
3. After 3 seconds, the voice guidance will start. Follow the voice guidance as necessary.
4. When finished, hang up.

**Note:**

- When you press a key, press firmly.
- You can hang up at any time.
- You can ignore the voice guidance and control the unit using remote commands.

### Voice guidance

During remote operation, the unit's voice guidance will prompt you to press 【1】 to perform a specific operation, or press 【2】 to listen to more available operations.
Operations are presented by voice guidance in the following order:

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

**Note:**

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit will announce, "*Thank you for your call*" then disconnect your call.
- If less than 3 minutes of recording time is available, the unit will announce the remaining recording time after the last message is played back.
- If the unit announces "*Memory full*", erase unnecessary messages.

### Remote commands

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

| Key | Remote command |
|---|---|
| 【1】 | Repeat message (during playback)[*1] |
| 【2】 | Skip message (during playback) |
| 【4】 | Play new messages |
| 【5】 | Play all messages |
| 【7】 | Record a greeting message |
| 【9】 | Stop (recording, playback)[*2] |
| 【0】 | Turn answering system off |
| 【*】【4】 | Erase this message (during playback) |
| 【*】【5】 | Erase all messages |

*1 If pushed within the first 5 seconds of a message, the previous message will be played.

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

### Turning on the answering system remotely

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

1. Dial your phone number.
2. Let the phone ring 15 times.
   - The unit will answer your call with the greeting message.
   - You can hang up, or if you call from a touch tone phone, you can enter your remote code and begin remote operation (page 65).

**Skipping the greeting message to leave a message**

You can leave a message just as any outside caller can. Call your phone number, then press 【*】 to skip the greeting message and record your message after the beep.

# Answering system settings 📼

## Remote code

A remote code must be entered when operating the answering system remotely. This code prevents unauthorised parties from listening to your messages remotely. Store any 2-digit number (00–99).

1. Press 【MENU】 (centre of joystick).
2. Scroll to 📼, then press 【SELECT】.
3. Scroll to "`Remote code`", then press 【SELECT】.
4. Select the desired remote code by entering a 2-digit number (00–99).
5. Press 【SAVE】, then press 【OFF】.

**Note:**

- To confirm the remote code, repeat steps 1 to 3. Press 【OFF】 when finished.

## Ring count

You can change the number of times the phone rings before the unit answers calls. You can select 2 to 7 rings or "`Toll saver`".

"`Toll saver`": The unit answers on the 2nd ring when new messages have been recorded, and on the 4th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 65), you will know that there are no messages when the phone rings for the 3rd time. You can then hang up without being charged for the call.

1. Press **【MENU】** (centre of joystick).
2. Scroll to 📼, then press **【SELECT】**.
3. Scroll to "`Ring count`", then press **【SELECT】**.
4. Push the joystick up or down repeatedly to select the desired setting.
5. Press **【SAVE】**, then press **【OFF】**.

**Note:**

- Usually the unit will announce the caller's name after the 2nd ring. If you turn on the answering system, and set the ring count to 2 rings, the unit will not announce the caller's name. If "`Toll saver`" is selected, and there is a new message, the unit will not announce the caller's name.

### For Telstra Homeline service subscribers

To receive Voice Mail and use answering system properly, please note the following:

- "Voice Mail" is a service provided by your Service Provider. You will need to first subscribe or activate this service through your Service Provider. Consult your Service Provider on how to operate this service and how you will be notified that you have messages on your Voice Mail.
  To use this service you will be required to leave your answering machine off on your unit.
  This will allow the Voice Mail to receive any messages.
  This unit does not have a visual indicator to indicate if there are new messages in your Voice Mail service. Your Service Provider may use a "Stutter" dial tone to indicate that you have Voice Mail left.
- To use the unit's answering machine rather than the Voice Mail service provided by your Service Provider, please consult your Service Provider to have it removed or deactivated permanently or temporarily.
  Alternatively you can leave this service connected and change the "`Ring count`" to a shorter duration on your unit so your unit's answering machine can pick up the call prior to the Voice Mail provided by your Service Provider.

**Note:**

- Provider Voice Mail can capture messages that can be missed while the customer is on the Internet.

## Caller's recording time

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

"`1min`", "`2min`", or "`3min`": Caller messages are limited to 1 minute to 3 minutes.

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

1. Press **【MENU】** (centre of joystick).
2. Scroll to 📼, then press **【SELECT】**.
3. Scroll to "`Recording time`" then press **【SELECT】**.
4. Push the joystick up or down repeatedly to select the desired setting.
5. Press **【SAVE】**, then press **【OFF】**.

## Message alert

You can select whether or not the message indicator on the handset will flash when new messages have been recorded (page 62).

1. Press **【MENU】** (centre of joystick).
2. Scroll to 📼, then press **【SELECT】**.
3. Scroll to “`Message alert`”, then press **【SELECT】**.
4. Push the joystick up or down repeatedly to select “`On`” or “`Off`”.
5. Press **【SAVE】**, then press **【OFF】**.

**Note:**

- The message indicator will not flash for new messages while the handset is in use.
- While message alert is on, battery operating time will be shortened (page 13).

## Turning call screening on/off

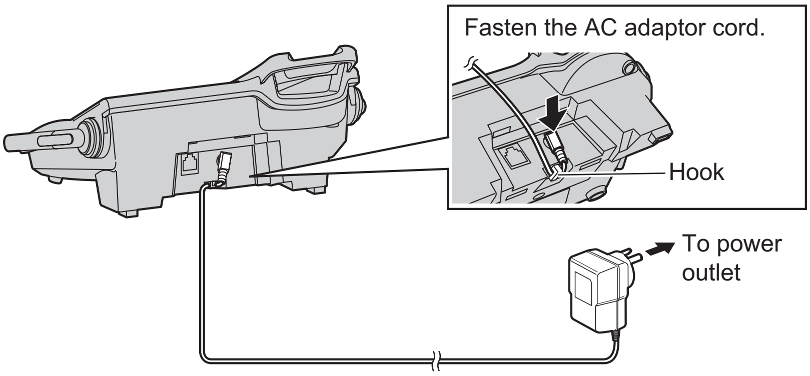
While a caller is leaving a message, you can screen the call through the base unit speaker.

1. Press **【MENU】** (centre of joystick).
2. Scroll to 📼, then press **【SELECT】**.
3. Scroll to “`Call screening`”, then press **【SELECT】**.
4. Push the joystick up or down repeatedly to select “`On`” or “`Off`”.
5. Press **【SAVE】**, then press **【OFF】**.

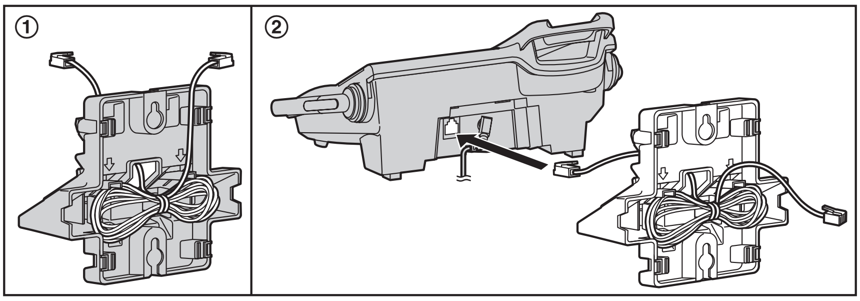
# Wall mounting

The base unit can be mounted on a wall.

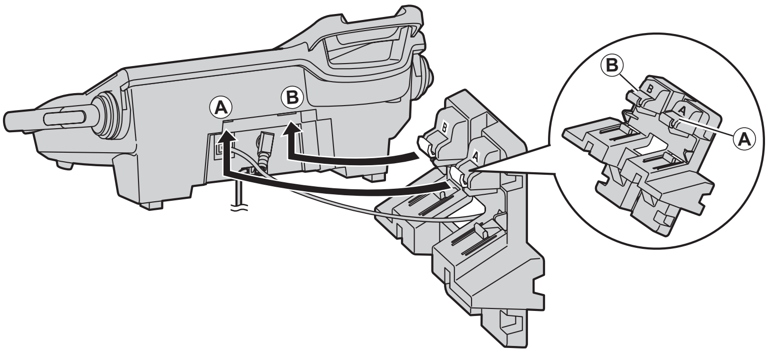
**1** Connect the AC adaptor.


Fasten the AC adaptor cord.
Hook
To power outlet

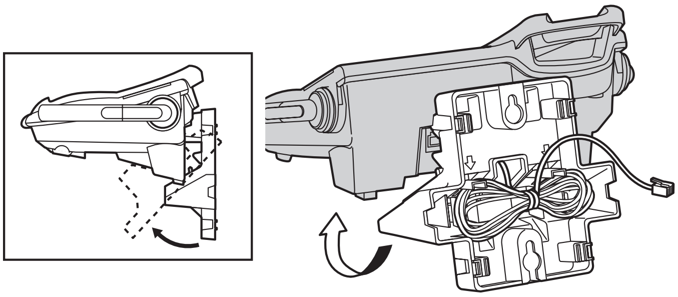
**2** Tuck the telephone line cord inside the wall mounting adaptor (①).
Connect the telephone line cord (②).



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

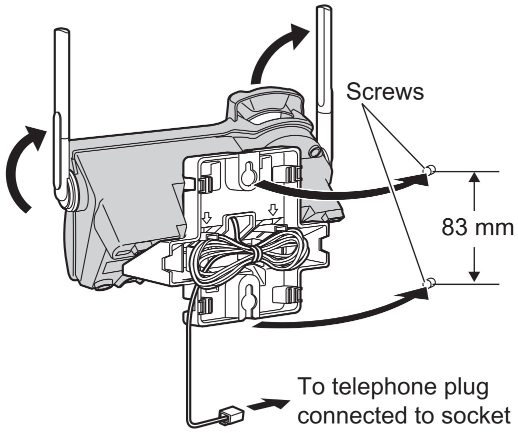


**4** Adjust the adaptor to hold the base unit, then push it in the direction of the arrow until it clicks into place.

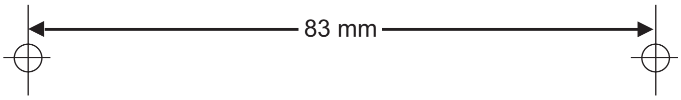


**5** Drive the screws (not included) into the wall using the wall mount template (see below). Connect the telephone line cord. Mount the unit, then slide it down.

- Raise the antennas.

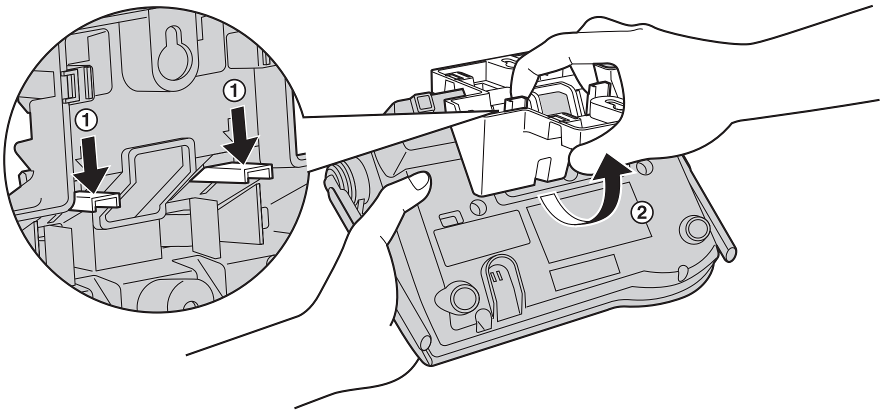

Screws
83 mm
To telephone plug
connected to socket

**Wall mount template for the base unit**



**To remove the wall mounting adaptor**

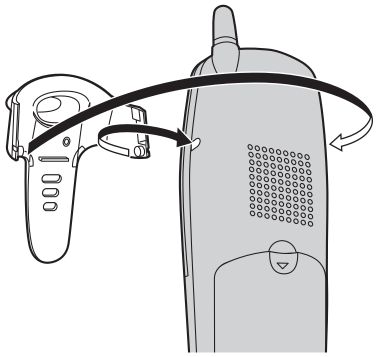
While pushing down the release levers (①), remove the adaptor (②).



## Belt clip

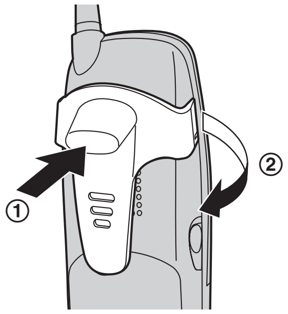
You can hang the handset on your belt or pocket using the included belt clip.

### To attach the belt clip



### To remove the belt clip

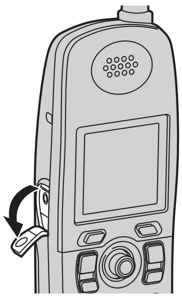
While pressing the top of the clip (①), pull the right edge in the direction of the arrow (②).

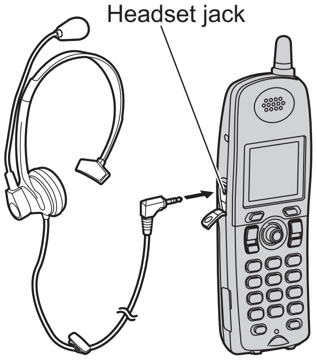


## Headset (optional)

Connecting an optional headset to the handset allows hands-free phone conversations. Please use only a Panasonic headset. See page 5 for the compatible headset and ordering information.

### To connect an optional headset to the handset





**Note:**

- Only telecommunications compliance labelled headsets should be plugged into the headset jack on the handset.
- To switch to the speakerphone, press 【🔊】. To return to the headset, press 【📞】.

# Error messages

If the unit detects a problem, one of the following messages will be displayed on the handset.

| Display message | Cause & solution |
|---|---|
| `Busy` | ● The called handset or base unit is in use.<br>● Privacy mode is on for the call you tried to join (page 22).<br>● The handset you tried to copy phonebook items to is in use.<br>● The handset you are calling is too far from the base unit. |
| `Denied` | ● The room monitor feature is turned off on the destination handset or base unit and the room cannot be monitored (page 41).<br>● The called handset is on the base unit. The handset must be off the base unit to be monitored. |
| `Dial locked` | ● Dial lock is turned on. To turn it off, see page 52. |
| `Error!!` | ● When you tried to register or deregister the handset, the handset and the base unit could not link for some reason, such as interference from electrical appliances. Move the handset and the base unit away from the electrical appliances and try again.<br>● If more than one handset is in use, you may not be able to register/deregister. Try again later.<br>● Another handset tried to send phonebook items to you but there was an error. Have the other handset user re-send the items to you (page 29).<br>● The entered password was wrong in programming dial lock. Enter the correct password. |
| `Error!!`<br>`All handsets`<br>`registered.`<br>`Maximum is 8.` | ● 8 handsets have already been registered to the base unit. To cancel a handset's registration, see page 58.<br>● You may have registered one of your handsets to another base unit without deleting its registration to this base unit. Erase the handset's registration from the base unit.<br>Base unit:<br>(1) Press and hold **【INTERCOM】** until the CHARGE indicator flashes, and (2) Press and hold the handset's extension number **【1】** to **【8】** that you do not want for 5 seconds. A long beep sounds, then the handset number is erased. |

| Display message | Cause & solution |
|---|---|
| **---Incomplete---**<br>**Tom Jones**<br>**0555654321**<br>**Phonebook full**<br>(The name/number is an example.) | ● When phonebook items were sent to another handset, the handset's phonebook memory was full and copying stopped. Press 【OFF】 to exit. Erase items from another handset's phonebook (page 28). When phonebook memory is available, you can copy all phonebook items (page 30) or individual items one by one (page 29). |
| **---Incomplete---**<br>**Tom Jones**<br>**0555654321**<br>(The name/number is an example.) | ● The destination handset is out of area.<br>● The destination handset user may have pressed 【☎】 or 【🔈】. |
| **Invalid** | ● There is no handset registered to the base unit matching the extension number you entered.<br>● You selected your own extension number.<br>● You cannot rename the preset song. |
| **Invalid.**<br>**Please register**<br>**to the base unit** | ● The handset you tried to call has not been registered to the base unit. Register the handset (page 59). |
| **Memory full** | ● There is no space in memory to record new songs. Erase unnecessary songs. |
| **No items stored** | ● Your phonebook or redial list is empty.<br>● Colour display models (KX-TGA582AL only): "**User data**" is empty. You can download your original data for the wallpaper and picture ID from a PC. Refer to the help section of the GIGARANGE USB Utility software for details. |
| **No link to base.**<br>**Move closer to**<br>**base, try again.** | ● The handset has lost communication with the base unit. Move closer to the base unit, and try again.<br>● Confirm that the base unit's AC adaptor is plugged in.<br>● Raise the base unit antennas.<br>● The handset's registration may have been cancelled. Re-register the handset (page 59). |
| **Not erasable** | ● You cannot erase the preset song. |
| **Phonebook full** | ● There is no space to store new items in the phonebook. Erase unnecessary items (page 28). |
| **Please lift up and**<br>**try again.** | ● A handset button was pressed while the handset was on the base unit or charger. Lift the handset and press the button again. |
| **System is busy.**<br>**Please try again**<br>**later.** | ● The handset has lost communication with the base unit. Move closer to the base unit, and try again.<br>● Other units are in use and the system is busy. Try again later.<br>● Another user is listening to messages. Try again later. |

# Troubleshooting

## General use

| Problem | Cause & solution |
|---|---|
| The unit does not work. | ● Make sure that the battery is installed correctly (page 12).<br>● Check the connections (page 11).<br>● Fully charge the battery (page 13).<br>● Clean the charge contacts and charge again (page 13).<br>● Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.<br>● The handset has not been registered to the base unit. Register the handset (page 59).<br>● Re-install the battery (page 12) and fully charge it. |
| The display shows "`No link to base. Move closer to base, try again.`" and an alarm tone sounds. | ● The handset has lost communication with the base unit. Move closer to the base unit, and try again.<br>● Confirm that the base unit's AC adaptor is plugged in.<br>● Raise the base unit antennas.<br>● The handset's registration may have been cancelled. Re-register the handset (page 59). |
| I cannot hear a dial tone. | ● Confirm that the telephone line cord is connected (page 11).<br>● Disconnect the unit from the telephone line and connect a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company. |
| The handset displays the incorrect time. | ● The handset has lost communication with the base unit (because the base unit's AC adaptor is not connected or the handset is out of range). Confirm that the base unit's AC adaptor is connected and move the handset closer to the base unit. |

## Programmable settings

| Problem | Cause & solution |
|---|---|
| I cannot programme items. | ● Programming is not possible while the handset and base unit are being used.<br>● Do not pause for over 1 minute while programming.<br>● Move closer to the base unit.<br>● While another user is listening to messages or the answering system is answering a call, you cannot programme. Try again later. |

| Problem | Cause & solution |
|---|---|
| While programming, the handset starts to ring. | ● A call is being received. Answer the call and start again from the beginning after hanging up. |
| I cannot record, download, or erase songs, and "`Recharge battery`" is displayed.<br>I cannot download or erase pictures, and "`Recharge battery`" is displayed. | ● The battery power is low. Fully charge the battery (page 13) and try again. |

### Making/answering calls, Intercom

| Problem | Cause & solution |
|---|---|
| Static is heard, sound cuts in and out. Interference from other electrical units. | ● Move the handset and the base unit away from other electrical appliances.<br>● Move closer to the base unit.<br>● Raise the base unit antennas.<br>● Turn on the clarity booster feature (page 22).<br>● If your unit is connected to a telephone line with ADSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your ADSL provider for details. |
| The handset and base unit do not ring. | ● The ringer volume is turned off. Adjust it (page 25, 49). |
| I cannot make a call. | ● If the base unit (including answering system) or another handset is in use, you may not be able to make a call. Try again later.<br>● While listening to messages using the handset, you cannot make a call. Exit by pressing **{OFF}**.<br>● Dial lock is turned on. To turn it off, see page 52.<br>● If the above remedies do not solve the problem, set the dialling mode. Press **{MENU}** **{#}** **{1}** **{2}** **{0}** **{SAVE}** **{OFF}**.<br>● The unit is not designed to be used with rotary (pulse dialling) services. |
| I cannot redial by pressing **{REDIAL}**. | ● If the last number dialled was more than 48 digits long, the number will not be redialled correctly.<br>● If you press **{REDIAL}** after you have started dialling, this button functions as the **{PAUSE}** button. To redial, do not dial any numbers before pressing **{REDIAL}**.<br>● Dial lock is turned on. To turn it off, see page 52. |

| Problem | Cause & solution |
|---|---|
| I cannot have a conversation using the headset. | ● Make sure that an optional headset is connected properly (page 73).<br>● If “`SP-phone`” is displayed on the handset, press 【☎】 to switch to the headset.<br>● Use only the Panasonic KX-TCA88AL headset. |
| I cannot page the handset or base unit. | ● The called handset is too far from the base unit.<br>● The called unit is in use. Try again later. |
| I cannot make a voice announcement. | ● Other handsets are in use. Try again later. |
| I cannot turn the clarity booster feature on. | ● Another handset is already using this feature. Only one handset can use this feature.<br>● If 3 handsets are on a conference call with an outside party, this feature cannot be used by any of the handsets. |

**Phonebook**

| Problem | Cause & solution |
|---|---|
| I cannot store an item in the phonebook. | ● You cannot store an item in the phonebook while the handset is in talk, speakerphone or intercom mode, or while listening to messages.<br>● Do not pause for over 1 minute while storing.<br>● Dial lock is turned on. To turn it off, see page 52. |
| While storing an item in the phonebook, the handset starts to ring. | ● A call is being received. Answer the call and start again from the beginning after hanging up. |
| Copying stopped with an item displayed. | ● The destination handset may have lost communication with the base unit, or the destination handset user may have pressed 【☎】 or 【🔈】.<br>The displayed phonebook item was not copied to the handset. Press 【**OFF**】. Confirm that the destination handset is in standby mode (i.e., not in use) and try again. |
| The display exits the phonebook while searching. | ● The handset automatically exits after 1 minute of inactivity. |

**Caller ID**

| Problem | Cause & solution |
|---|---|
| The handset does not display the caller's phone number. | ● You have not subscribed to Caller ID service. Contact your telephone company to subscribe.<br>● If your unit is connected to any additional telephone equipment such as a Caller ID box or wireless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack.<br>● If your unit is connected to a telephone line with ADSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your ADSL provider for details.<br>● Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.<br>● The caller requested not to send caller information (page 32).<br>● If a call is being transferred to you, the caller information will not be displayed. |
| The handset or base unit does not announce the displayed caller names. | ● The handset or base unit's ringer volume is turned off. Adjust it (page 25, 49).<br>● The Talking Caller ID feature is turned off. Turn it on (page 55, 58).<br>● Caller names will usually be announced after the 2nd ring.<br>● The ring count for the answering system is set to "`2`" or "`Toll saver`". Select a different setting (page 68). |
| The handset or base unit does not announce the displayed caller's name correctly. | ● Name pronunciation may vary. This feature may not pronounce all names correctly.<br>● The handset or base unit will announce each letter of abbreviations, such as "Co." and "Inc.".<br>● Caller ID supports a name of up to 15 letters. If the caller's name has more than 15 letters, the name will not be announced correctly. |
| The display exits the caller list while searching. | ● The handset automatically exits after 1 minute of inactivity. |
| The handset display does not indicate that you have new messages or missed calls, even though you do. | ● If the wallpaper feature is turned on, the wallpaper pattern is displayed when you press **【OFF】** 2 times. To display "`New message`" or the number of missed calls again, press **【MENU】** then **【OFF】**. |

### Answering system

| Problem | Cause & solution |
|---|---|
| I cannot listen to messages from a remote location. | ● A touch tone phone is required for remote operation.<br>● Press the remote code correctly and press each key firmly (page 65).<br>● The answering system is off. Turn it on (page 66). |
| **FULL** flashes and the ANSWER ON indicator flashes rapidly. No new messages are recorded. | ● Message memory is full. Erase unnecessary messages (page 62). |
| The unit does not record new messages. | ● The answering system is turned off. Turn it on (page 61, 66).<br>● The recording time is set to "**Greeting only**". Select "**1min**", "**2min**", or "**3min**" (page 68).<br>● Message memory is full. Erase unnecessary messages (page 62).<br>● If you subscribe to the Voice Mail service, messages are recorded by the telephone company not your telephone. Change the unit's "**Ring count**" setting so that the unit's answering system can answer the call before the Voice Mail service or consult your telephone company (page 68). |
| I cannot operate the answering system. | ● Someone is operating the answering system.<br>● If someone is talking on a conference call, you cannot operate the answering system. Try again later. |
| During message playback, the unit rings and cancels playback. | ● A call is being received. Answer the call and start again from the beginning after hanging up. |
| The message indicator on the handset flashes slowly. | ● New messages have been recorded. Listen to the new messages (page 62) or turn the message alert off (page 69). |
| When you play back messages or turn on the answering system, the base unit and handset announce the day and time incorrectly. | ● Set the date and time again (page 19). |

### Battery recharge

| Problem | Cause & solution |
|---|---|
| “`Recharge battery`” is displayed, 🔋 flashes or the handset beeps intermittently. | ● Fully charge the battery (page 13). |
| “`Charge for 6 HRS`” and 🪫 are displayed and the handset does not work. | ● The battery has been discharged. Fully charge the battery (page 13). |
| I charged the battery fully, but “`Recharge battery`” is still displayed and/or 🔋 continues to flash, or “`Charge for 6 HRS`” and 🪫 are displayed. | ● Clean the charge contacts and charge again (page 13).<br>● The battery may need to be replaced (page 14). If you install a new battery, fully charge it (page 13). |
| The CHARGE indicator does not go out after the battery has been charged. | ● This is normal. |
| The handset display is blank. | ● Confirm that the battery is properly installed.<br>● Fully charge the battery (page 13). |

### Power failure

| Problem | Cause & solution |
|---|---|
| The unit will not function. | ● This product is not designed to make calls in the event of a power failure. We recommend connecting a standard telephone to the same telephone line in the event that emergency calls need to be made during a power failure (page 11). |

# Instructions to customer

**Installation**

Attached to this apparatus is an approval label. This label is evidence that it is a "Permitted Attachment" which has been authorised to be connected to your telephone service. Conditions relating to connection and operation of this Permitted Attachment are contained in Telecommunications General By-Law 220 (5).

You are authorised to install this Permitted Attachment yourself by plugging it into the line socket of any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of your Permitted Attachment into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1. Loosen screw "A" sufficiently to remove the socket cover. (See Fig. 1.)
2. Remove screw "B" and withdraw the plug. (See Fig. 2.)
3. Replace screw "B". (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)
4. Replace socket cover and tighten screw "A". (See Fig. 4.)

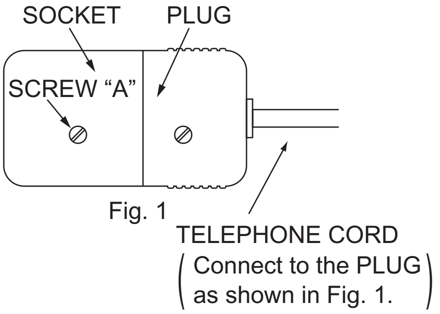


Fig. 1

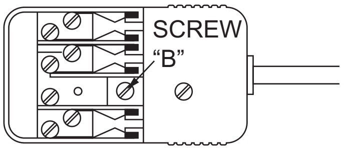


Fig. 2

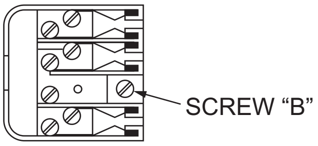


Fig. 3

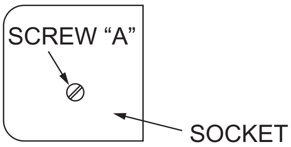


Fig. 4

If you are satisfied with the operation of your telephone service after plugging in your Permitted Attachment, your installation is completed.
You will be unable to connect this Permitted Attachment if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.
Should the Permitted Attachment not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased or an Authorised Service Centre.

**Service difficulties**
If at any time a fault occurs on your telephone service, carry out the following checks before you call for service:

- Disconnect the Permitted Attachment and try using the service with the normal telephone.
- If the telephone service then operates satisfactorily, the fault is in your Permitted Attachment. Leave the Permitted Attachment disconnected and report the fault to its supplier or agent to arrange for repair.
- If when using the telephone the service is still faulty, report the fault to “Service Difficulties and Faults” for attention.

You are required to keep this Permitted Attachment in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way without permission.

## WARNING:

This cordless telephone system does not incorporate provision for secrecy of conversations. Appropriately tuned radio equipment and other cordless telephone systems in close proximity may be used by a third party to monitor and possibly interrupt conversations in progress when this system is on radio operation.

## Specifications

### Base unit

**Operating environment:**
5 °C – 40 °C

**Frequency:**
5.76 GHz – 5.84 GHz

**Dimensions:**
Approx. height 96 mm x width 210 mm x depth 157 mm

**Mass (Weight):**
Approx. 405 g

**Power consumption:**
Standby: Approx. 2.6 W
Maximum: Approx. 5.5 W

**Power supply:**
AC adaptor (230–240 V AC, 50/60 Hz)

### Handset

**Operating environment:**
5 °C – 40 °C

**Frequency:**
5.76 GHz – 5.84 GHz

**Dimensions:**
Approx. height 173 mm x width 48 mm x depth 33 mm

**Mass (Weight):**
Approx. 168 g

**Power supply:**
Ni-MH battery (3.6 V, 830 mAh)

**Security codes:**
1,000,000

**Note:**

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

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# Notes

**Customer Support Centre Tel. No.: 132600 or website www.panasonic.com.au**

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